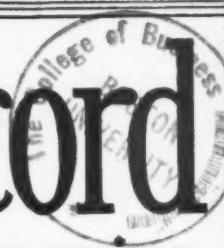


Manufacturers Record

Exponent of America



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Baltimore, Md.
APRIL 30, 1925

Some Facts That Demand Attention.

Number 2.

The aggregate value of the South's cotton crops during the twenty years from 1904 to 1923, including seed, amounted to \$22,074,000,000, or \$2,949,000,000 more than the combined value of all the gold produced in the world from 1492 to 1923, which aggregated \$19,124,397,000.

The value of the South's cotton crops, including seed, for the ten-year period from 1914 to 1923 was \$14,176,371,000, which is more than three and a half times the value of all the gold produced in the world during that period and over two and a half times the combined value of all the gold and silver produced in the world in the same period.

The consumption of cotton in Southern mills for 1924 was 3,895,000 bales, as compared with 1,785,000 bales consumed in Northern mills.

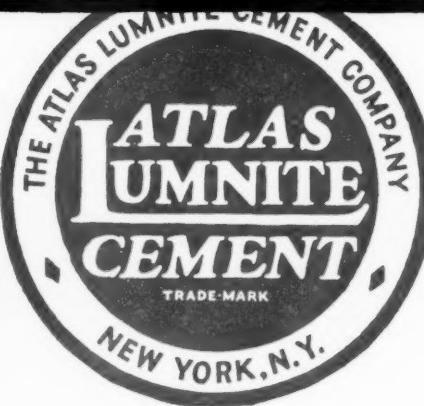
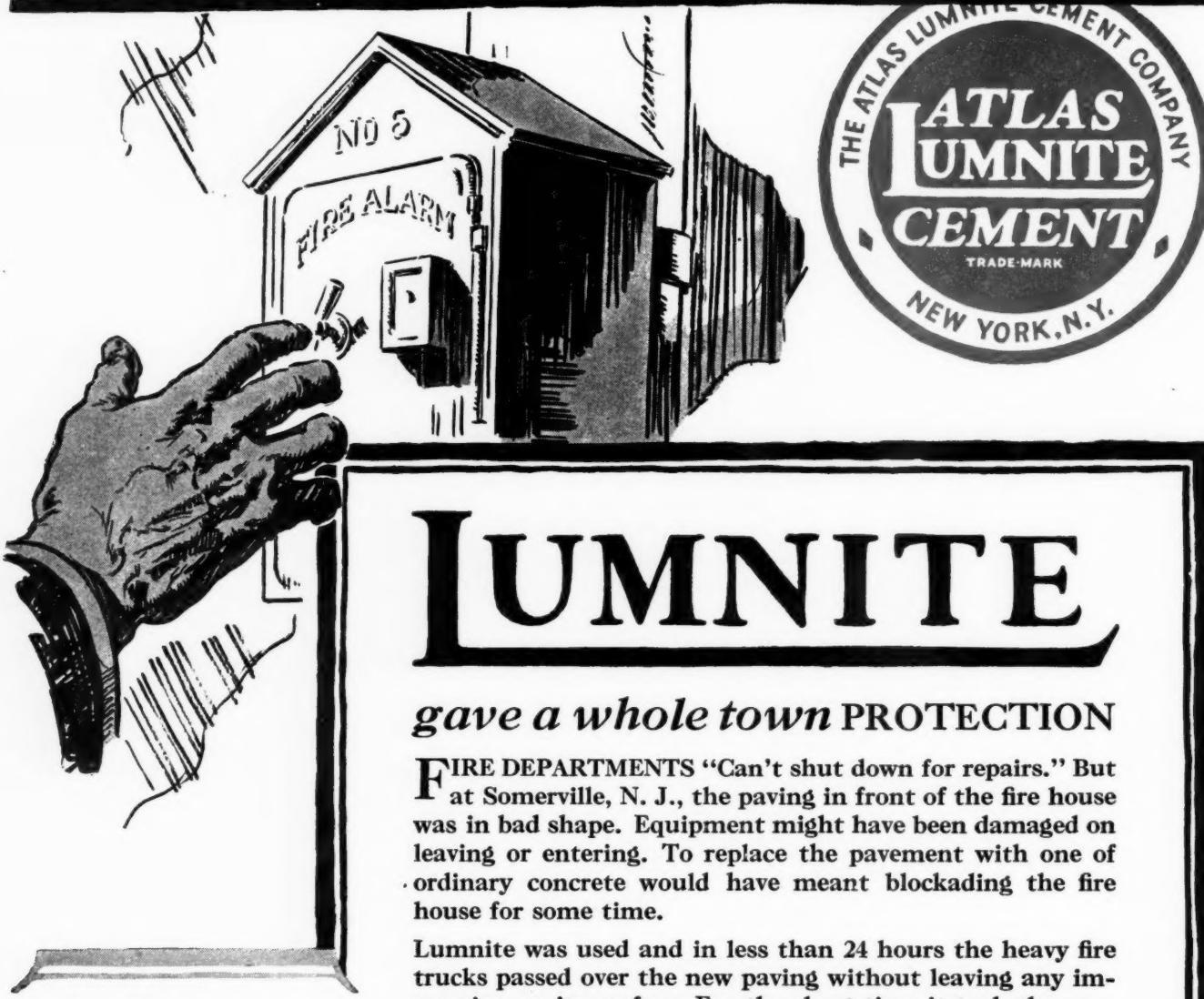
The aggregate value of the South's exports of raw cotton from 1914 to 1923 amounted to \$6,857,354,000, which exceeded by \$2,970,920,000 the aggregate value of all the gold mined in the world in that ten-year period, or \$1,496,838,000 more than the combined value of all the gold and silver produced in the world during that time.

In 1915 there were 373,240 automobiles and motortrucks in the South, which was less than one-sixth of the total in the country. But in 1924 the South had 4,413,525 automobiles and motortrucks, which was almost exactly one-fourth of the total for the country. In 1924 the South had 80 per cent more automobiles than were in the United States in 1915. The South has 2,600,000 more automobiles and motortrucks than the whole world outside of this country.

The true value of all property in the South in 1900 was \$17,919,187,000. By 1912 this had increased to \$40,631,405,000, whereas in 1922, the last available Government estimate, the total was \$71,375,367,000.

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CONTENTS

Some Facts That Demand Attention.....Cover Page

EDITORIALS

Veil of Secrecy Must Be Removed from Meetings of Federal Reserve System if It Is to Win Public Favor.....	65
German Election as Expected.....	67
Unjust Criticism of the Courts.....	67
A Sure Way to Destroy Bootlegging.....	68
A Warning to Manufacturers and All Other Business Men.....	68
You Are Cordially Invited to Visit the Southern Exposition.....	69
The Moral Responsibility of Bankers in Placing Foreign Loans.....	69
A Call to the Young Men of the South.....	70
Conservation Again Discussed in Washington.....	71
The Death of Dr. David T. Day.....	71
Lively Interest in Manufacture of Textile Machinery South.....	72
"A 'Limping' Standard".....	73
Waking Up for Better Things.....	74

NEWS ARTICLES

Euthusiasm and Energy Assures Success of Exposition.....	75
Possibilities of Georgia at Southern Exposition.....	77
"The Biggest Book in the World".....	79
"Georgia Will Be There".....	80
A Great Exhibit in Preparation.....	81
Production of Coke in 1924.....	82
Knoxville, One of the South's Thriving Industrial Centers.....	83
Some Possibilities of the World Advertising Convention at Houston.....	91
Building Up Georgia by Building Up Men.....	93
North Carolina Manufactures, 1923.....	94
Broader Campaign for Research Work in Agriculture.....	95
How Georgia Is Settling Up Its Idle Lands.....	97

DEPARTMENTS

The Iron and Steel Situation.....	98	Construction	105
Railroads	99	Machinery, Proposals and Supplies Wanted.....	126
Textile	101	New Securities.....	129
Lumber and Building Materials.....	102	Trade Literature.....	130
Mechanical	103	Industrial News of Interest.....	132

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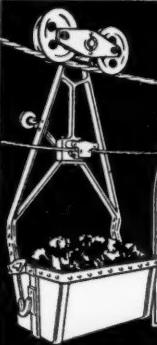
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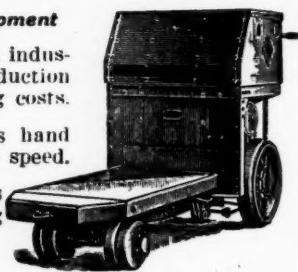
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Vol. LXXXVII No. 18 }
Weekly }

BALTIMORE, APRIL 30, 1925.

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The Veil of Secrecy Must Be Removed From the Meetings of the Federal Reserve System if It Is to Win Public Favor.

THE Executive Council of the American Bankers' Association at its meeting in Augusta, Ga., last week appointed a committee to study all the proposed amendments to the Federal Reserve Acts. Paul M. Warburg of New York is a member of this committee. Mr. Warburg has been too long and too intimately identified with the Wall Street interests connected with the Federal Reserve system for the good of the system and of the country. A serious mistake was made when President Wilson appointed him on the Federal Reserve Board. An equally great mistake has been made ever since by permitting his identification with the system.

The country at large is thoroughly convinced—with the exception of the bankers who are intimately identified with the Federal Reserve system—that New York financial interests dominate the whole Federal Reserve business to an extent that is not good for the country at large. The feeling exists, and it exists very widely. If the Council of the American Bankers' Association had desired to intensify that feeling to a still greater extent, they could scarcely have used a better way of doing so than to appoint Mr. Warburg on this committee. The committee as a whole is not as representative as it should be.

A movement is under way nearly ten years in advance of the expiration of the charter of the Federal Reserve system to secure a renewal in 1934 on the basis of a perpetual charter or one without any limitation as to time, an active propaganda being organized to accomplish this purpose. A large number of Southern bankers in the Federal Reserve system were invited to Richmond recently for the purpose of inaugurating a plan for securing the charter extension and for building up among bankers a stronger sentiment in favor of the Federal Reserve system. The proceedings of the meeting have not been made public except to a limited extent here and there. This meeting was composed of men who are so intimately identified with the Federal Reserve system that naturally they would be defenders of all of its policies.

As a matter of fact, there are many bankers in this country who secretly regard the Federal Reserve system as guilty of many great blunders, but they dare not say so for fear that they will incur the hostility of the Board or of the Regional bank with which they are identified. One of the leading bankers of the West wrote a strong letter of criticism to this paper. When asked for the privilege of publishing his letter as an important discussion of a subject vital to the whole country, he asked that it not be published, and added: "You do not know the power of that bunch." One of the

foremost business men of the West recently in a letter to the MANUFACTURERS RECORD unstintedly criticised the wild extravagance in the building of the Federal Reserve Bank at Cleveland. He was asked if his letter could be published. His reply was that he dared not be known as a critic of the Federal Reserve management so long as he remained in business.

Almost identically the same words were used by the head of a great Southern trust company, who in private conversation spoke of the persecution of his company by the Federal Reserve system until they were forced to become members in order to protect themselves. He, too, said that he would not dare to permit the publication of what he had said in private. Information of this kind has come to the MANUFACTURERS RECORD time and time again from business men of highest standing and from banks. And in nearly all cases these men stated that they were afraid to make any public criticism because they feared that their business would be in danger if they did so. "Perhaps," said one of them, "the Federal Reserve Board may not definitely advise a banker to curtail the credit of any man who criticises the management of this system, but when his bank finds that he is criticising the management, it promptly lessens his credit and calls his loans for fear if it does not do so the Federal Reserve Board will regard the bank itself with disfavor." These are very serious charges. They show a timidity on the part of people of high standing in the business world and of many bankers who, though advocates of the system as a whole, regard its methods with extreme disfavor.

Some of the bankers who attended the Richmond convention were astonished at the costliness of the bank building there and the wild use of money which had been put into its construction and maintenance. Some of them in private do not hesitate to criticise these things and the management, but they dare not open their mouths for publication on any of these points. Similar meetings we understand will probably be called by other Federal regional banks for the purpose of strengthening the hold of the Federal Reserve system upon these bankers and inaugurating through them a campaign for the renewal of the charter 10 years hence, either in the shape of a perpetual charter or one without limitation. The effort is made to create the impression that this is being done in order to keep the Federal Reserve system from getting into hot political discussion in and out of Congress. The plan is a mistake. The more it is pushed the greater will be the opposition created.

That there is widespread hostility to the management of

the Federal Reserve system is unquestionable. Hundreds of bankers and business men who for several years believed that the Federal Reserve Board had made no mistake in its deflation campaign of 1919 and 1920 now freely admit that they have changed their minds and that that policy was disastrous to the entire country. Advocates of the management claim that it resulted in preventing a panic, but they forgot to say that we had the greatest commodity panic in the world's history, and that there was a depreciation in the value of farm property and products in two years of about \$30,000,000,000 and a depreciation of at least \$20,000,000,000 in securities and in business generally. This \$50,000,000,000 was wiped out. That fact is recognized by President Coolidge as it was by President Harding. All the arguments that could possibly be advanced against that fact are without foundation.

During 1924, as reported by the Executive Council of the American Bankers' Association, 743 banks failed, the highest record of failures in the history of this country. Steadily since the deflation campaign of 1920 banks have been failing, some of them from bad management and many from trying to stem the tide and trying to save their customers, believing that it was impossible for the Federal Reserve management to continue as it did during the last part of 1919 and 1920 its campaign of drastic deflation. These banks held on for a time. The seed of death was planted in them in the deflation campaign of 1920, and one by one they have dropped by the wayside unable to hold out any longer.

If the Federal Reserve Board and those connected with the management of the regional banks desire to win public favor and save the whole system from a political contest as bitter as that against the United States bank in Jackson's day, they must pursue a different policy. The meetings of the Reserve Board and the regional banks, and these conventions called by the regional banks, must all be freely open to the public. The newspapers must have the privilege not of getting a mere routine announcement fixed up by the insiders, but they must have the privilege of attendance on these meetings and of hearing every discussion pertaining to the Federal Reserve system. Such a plan would be infinitely better for the system itself than the secrecy which now prevails. It would doubtless meet some of the objections that are being constantly raised. It might modify some of the criticisms by giving the people a better opportunity to learn for themselves what is actually being done. Until the veil of secrecy is removed from these meetings it will be impossible to win public favor, and the sooner the management of the Board and of regional banks realizes this fact, the better it will be for them and for the country.

The Baltimore Sun contained a brief interview with a representative from this district as to the meeting and the number of those in attendance. Basing our inquiry on that, the MANUFACTURERS RECORD wrote to Governor George J. Seay asking for particulars of the meeting and the speeches made, and if it could be secured for publication. In reply we have the following letter from Governor Seay:

"We are in receipt of your letter of the 20th with reference to a meeting of representative member banks in this district. This meeting was held by invitation of our directors, and was in the nature of a stockholders' meeting called in the mutual interests of the member banks and the Federal Reserve Bank, principally to bring member banks in more intimate touch with the administration of the Reserve Bank. Two meetings of this character have been held in the Boston district, with advantage to the member banks and to the system, as we understand and believe.

"There were no set speeches, everything being informal and impromptu. An account of the meeting will be written up for the use of those present and for the information of the member banks which did not send representatives, but nothing of this nature is yet available, even to us.

"The purpose and general character of the meeting was

described in the newspapers, and we presume that was the nature of the report seen by you in the Baltimore Sun."

We are asking Governor Seay, as the gathering was in the "nature of a stockholders' meeting," if all the stockholding banks were invited, and if not, why were not all included, since in a gathering of this kind all stockholders should be included.

It is important to note—in view of the suggestion that all meetings of these regional banks and of the Reserve Board should be public—from Governor Seay's letter that "an account of the meeting will be written up for the use of those present and for the information of the member banks which did not send representatives, but nothing of this nature is yet available, even to us."

Here is a specific illustration of the point that we have repeatedly made in regard to these meetings. Discussing the most vital question before the public, for upon proper financing depends the whole business of the country, none but those in the meeting know what took place, and the public is wholly ignorant as to the character of the discussion or what may or may not have been proposed.

"An account of the meeting will be written up," says Governor Seay, and it might be added that whenever a secret meeting of this kind is "written up" it is always written in such a way as to put the best foot forward and to omit anything which would be regarded by those present as unfavorable for public information. Indeed, the "written up" story is intended for those who were in attendance and for those who failed to attend, but apparently not for the public, although the public has a greater interest in what goes on in these meetings than anybody else, for the whole Federal Reserve system has in its power at all times to make or break the prosperity of the country. Whether it uses this power to good or evil is a matter which the public should have the opportunity of understanding.

The public has a right to know exactly what goes on in the management of a great banking power which can absolutely, and which does absolutely, shape the business of the country. No such power should exist in any organization in this or any other country without the public being kept fully informed by open meetings as to what is said and what is done in these meetings.

There can be no widespread national enthusiasm for the Federal Reserve system, outside of the banks connected with it, without all of these meetings being open to the public. All of the arguments that can be advanced against this kind of publicity are fallacious, though we know full well that bankers generally are not inclined to take the public into their confidence. Indeed, we have known from personal experience as a director for a great financial institution that for a while the executive committee did not want the directors to know all of the actions of the committee, and the board of directors did not want the stockholders to know all of their actions, the executive committee and the board of directors alike laboring under the impression that it was impossible successfully to carry on their financial operations if too much publicity was given to them, first from the executive committee to the directors, and then from the directors to the stockholders.

Fortunately, that spirit is passing away, but many a time we sat in meetings in which secrecy as a necessity for success was strongly urged by many of the bankers who were on that particular board of directors, and some of whom were on the executive committee. Not every detail of banking transactions can, of course, be made public, but in the case of the Federal Reserve system it is different. Here is a gigantic power that, wisely managed, can be of enormous benefit to the country, and if unwisely managed can be a tremendous curse to the country. Only by publicity will the people of the country believe that the management is wise.

GERMAN ELECTION AS EXPECTED.

THE election of Von Hindenburg as president of the so-called German Republic, to hold office for seven years, should not have surprised anyone. The report that the Washington Administration was surprised by the German election surely must be an error unless President Coolidge has failed to understand the German people as completely as did President Wilson. The German people as a whole are militaristic. They believe in war, they encourage war, they gloried in all the horrors of the German Army, and they have never been willing to accept defeat. Military power has been bred in them for generations under Prussian leadership, and it was but natural that when the German people had the opportunity of voicing their real sentiments they elected Von Hindenburg, whose military ambitions and whose aspirations for the restoration of the monarchy may be accepted as expressing the real voice of the German nation. Any man who has not understood the German people and their ambition to prepare for another war must indeed have been very blind. There is an element in Germany which believes in peace and which is opposed to the monarchy and militarism, but that element as shown by this election does not control the German people or the German nation.

Vengeance is in the heart of the Germans. Every dollar loaned to Germany or to German business interests by the American people is merely a dollar added to the financial power of that country to prepare for another war, and blind indeed must be any man in America who has not understood this situation. When that next war will come no one can foretell, but that it will come is practically just as sure as it is that hatred to the Allies and the United States and a desire to dominate the world is still the ruling power in German minds and hearts.

England has misjudged the Germans about as badly as many people in the United States. Possibly the election of Von Hindenburg will awaken the people of England and of America to the realization that the monarchical and military spirit, ever looking forward to world domination, still controls the majority of people of Germany and will continue to control the Government of Germany under Von Hindenburg.

UNJUST CRITICISM OF THE COURTS.

IN criticising a decision of the United States Supreme Court as "reactionary and against labor" in pronouncing the Kansas Industrial Court law unconstitutional, former Governor Henry J. Allen simply falls into line with other critics of the courts who condemn them on similar grounds. Merely because a court declines to render preferential decisions in support of organized labor, or seditionists or "liberals" or other groups, demagogues arise and damn the courts as "reactionary"—whatever that term of implied opprobrium may mean.

The Supreme Court of the United States and all other courts are constituted to uphold the Constitution and all national and state laws; they are not established for the aggrandizement of organized labor, or vicious radicals or any financial, religious or other groups or "blocs" of the citizenry. If the courts rendered decisions merely in favor of aggrieved groups or organizations, they would be worse than useless—they would be conducive to the downfall of government. The courts are maintained to uphold law and order and to protect all the people of the land—not for the benefit of a favored few, whether in organized labor or any other line—and to condemn or belittle them for not giving biased and prejudiced decisions deserves the severest condemnation.

Governor Allen's Industrial Court was, we think, based on a false foundation, and the country is to be congratulated

on the decision of the Supreme Court. Governor Allen once bitterly assailed the South because its cotton growers sought to reduce their acreage, but when Western wheat growers adopted a similar plan he uttered no protest. He was never a safe guide for this country.

IMPORTATIONS OF FOREIGN IRON AND PIPE.

THE official figures furnished to the MANUFACTURERS RECORD by the Department of Commerce of the imports of pig iron and iron pipe and other tubular products into this country last year show that the heaviest importations, amounting to 71,370 tons of pig iron, were from British India, and 2375 tons from China. England came next to India in the shipment of pig iron to us with a total of 52,593 tons.

The aggregate importations of pig iron for the year were 209,109 tons, and of iron pipe and other iron tubular products 122,019,988 pounds.

The full story of these importations is given in the following table:

IMPORTS OF PIG IRON, PIPE AND OTHER TUBULAR PRODUCTS, INTO THE UNITED STATES, BY COUNTRIES, DURING THE CALENDAR YEAR 1924.

Countries	Tons	Pig Iron Dollars	Tubular Products Pounds	Pipe and Other Products Dollars
Austria			78,280	838
Belgium	3,019	62,972	51,052,321	816,200
Czecho-Slovakia			578,720	120,143
Denmark			1,265	124
Estonia			2,600	63
France	23,208	413,039	56,234,894	1,154,966
Germany	11,228	213,129	2,273,221	131,990
Hungary			6,000	144
Italy			101,018	5,340
Netherlands	23,857	459,528	471,992	26,592
Norway			19,065	1,839
Poland and Danzig			8,548	301
Spain	700	21,749	111,627	6,422
Sweden			859,202	90,995
England	52,593	1,143,232	5,818,259	273,223
Scotland	4,546	105,101	514,829	22,876
Ireland	50	995	11,540	1,053
Canada	15,933	337,543	841,173	23,542
Guatemala			1,678	82
Honduras	200	4,000	700	90
Nicaragua			983	33
Salvador			6,395	434
Mexico			21,770	1,501
Newfoundland and Labrador			1,400	56
Jamaica			200	10
Trinidad and Tobago			169,950	8,156
Other Brit. West Indies			1,062	100
Cuba			34,936	1,639
Dominican Rep.			938	120
French W. Indies			12,400	248
Virgin Islands of United States			100	20
Argentina			37,635	2,900
Brazil			1,140	265
Chile			1,450	174
Colombia			11,606	446
Dutch Guiana			1,500	159
French Guiana			3,312	161
Venezuela			1,706	104
British India	71,370	924,231	13,401	753
Ceylon			108,825	11,130
Straits Settlements			1,431	46
China	2,375	55,122	127,323	9,996
Java and Madura			41,144	4,496
Hongkong			117,491	10,142
Japan			4	8,305
Kwantung, leased Territory	30	568		
Philippine Islands			38,900	270
Australia			3,737	222
Belgian Congo			2,021,557	42,779
British W. Africa			116,200	636
Egypt			1,750	31
Algeria and Tunis			2,181	113
Total	209,109	\$3,741,213	122,019,988	\$2,782,268

It is interesting to note in studying this table that considerable shipments of pipe and other tubular iron products were from such countries as the Belgian Congo, British West Africa, Ceylon, China, Hongkong and Japan, showing one of the curiosities of trade.

Of pipe and tubular products France led in shipment, with 56,234,894 pounds, with Belgium coming second with 51,052,321 pounds.

A SURE WAY TO DESTROY BOOTLEGGING.

THREE is one way in which the entire bootleg business could be destroyed almost overnight. It is an entirely reasonable and proper method. The bootlegging industry lives only because it is profitable. Let it be made unprofitable and it will cease to operate.

Why could not a law be passed fining every bootlegger as a penalty the full amount of all the money he has made out of the business, in addition to a jail sentence, and then an additional sentence until the full amount of his fine has been paid. Through the enforcement of such a law bootlegging would instantly cease. Nobody but bootleggers, or those connected with bootlegging, could question the justice and wisdom of such a law.

Every bootlegger is a criminal at heart. He is doing his utmost to destroy our country and to spread his criminality everywhere. The love of money is the inspiring motive of his work. Make it impossible for him to keep a single dollar that he makes, and keep him in the penitentiary at hard work until he repays every dollar that he has gained by his traffic, and bootlegging would become one of the most unpopular industries of the entire country.

The notorious bootlegger who some months ago went to the Atlanta penitentiary in a private car, and who is said to have been given unusual advantages in the way of comfort and ease and food supplies, cares scarcely a pin for a temporary imprisonment so long as he can hold on to his ill-gotten money. But if every dollar of his profits had been taken from him by the law and a prison sentence added, the romance, as the bootleggers think of their business, would have been completely destroyed and poverty and the penitentiary would stare him and his kind in the face.

It might be difficult to trace the bootlegger's ill-gotten gains to the last dollar, but unquestionably most of the money could be traced; and if he swore to a false account he should then be sent to the penitentiary for a still longer time for his perjury.

Whenever our lawmakers and judges really determine to break up the industry, such a law could be passed and enforced, and the judge who failed to carry out the sentence, if any such could be found, could be impeached for his failure to enforce the law. Let this law be passed and the whole bootlegging industry, with all of its accursed evils, would cease to exist.

TOO MANY "IT CAN'T BE DONES."

W. E. FRENCH, general industrial agent of the Georgia & Florida Railroad Co., who is now busy preparing the exhibit of that road for the Southern Exposition, in the course of a personal letter writes:

"I am progressing very well with our Southern Exposition display. Of course, it is very unfortunate that the Exposition takes place in May instead of in the fall or winter, but I have never reached that point in life—even though I am 55 years of age—when I have yielded the point in this kind of work to say, 'It can't be done.' The work is naturally 100 per cent harder to successfully accomplish, but even so when it is completed a fellow feels that he has done more, and almost above everything else in a business way I love this

work. * * * This Exposition will carry the South to the people of other sections."

Blessed is that man who always refuses to say, "It can't be done," and who determinedly says, "It can be done," and drives at that pace and accomplishes the desired thing. What a marvelous, incomprehensible good would come to the South if its people everywhere and in every line of activities would say, "It can be done," and go ahead and do it! The "can't be done's" are in evidence in many places.

A WARNING TO MANUFACTURERS AND ALL OTHER BUSINESS MEN.

JDGE WILLARD J. BANYON of St. Joseph, Mich., in a letter to the MANUFACTURERS RECORD warns the manufacturers of the country that they are ignoring a very vital danger. He writes:

"It is high time that the patriotic people of this country and the officials of our country wake up before it is too late.

"I am satisfied that at the present time there are nearly 100,000 Communists in the United States working for the overthrow of our Government. The most regrettable thing in the entire propaganda to destroy our Government is the fact that thousands of manufacturers throughout the United States do not believe, or at least are not awake, to the realization of what is going on in this country under the direct orders from Moscow, which is fully substantiated by the doings of the St. Paul Federated Farmer-Labor Convention of last June. On July 5 of last year the Literary Digest, in referring to the convention, among other things stated: 'These Communists under the leadership of William Z. Foster, a well-known radical labor leader, ran the St. Paul convention to suit themselves. The nominations were made subject to confirmation by the National Committee.'

"Duncan McDonald, former president of the Illinois Mine Workers, was nominated for President, and William Bouck, president of the Western Progressive Farmers, for Vice-President. Later the committee met and McDonald and Bouck withdrew, and William Z. Foster was substituted for President and Benjamin Gitlow for Vice-President.

"On August 2 of last year, at page 19, the Literary Digest announced: 'The Communist Candidates for President and Vice-President, Our First Red Presidential Ticket.' The magazine on the same page quoted an editorial from the Daily Worker headed: 'A Communist Ticket.' The Daily Worker says, in part, 'The Communists in the Workers' party rendered necessary the entry of a Communist ticket in this election to lead the fight against the treason of La Folletteism as well as against the capitalist system.

"Let every revolutionist prepare to be counted. Let everyone enroll himself in the party of revolution and deliver a blow against capitalism and against the misleaders of labor by rolling up a solid block of Communist votes in the coming election. Every revolutionist to his place."

"In the November election 33,809 votes in 15 states were cast for this Workers' party (Communist ticket). The state of New York led with 8244 votes; Iowa followed with 4305 votes; Minnesota with 4427 votes; Wisconsin with 3773; Pennsylvania, 2735; Massachusetts, 2635; Illinois, 2622; Indiana, 987; Washington, 761; North Dakota, 370; Montana, 367; Colorado, 526; Rhode Island, 289, and Connecticut, 208. No ticket of this party appeared on the ballot in the states of California, Missouri, Nebraska, South Dakota or the state of Michigan, where it is reported upon reliable authority are many Communist workers, and especially in the city of Detroit, where the House of the Masses is located and one Cyril Lampkin, indicted for attendance at the secret Bridgeman Communist convention, is in charge. One official states that in the city of Detroit there are between 1000 and 2000 Communists. If this ticket had appeared upon the ballot in every state, there can be no doubt that 50,000 votes would have been cast for the ticket, or more than one-half of the votes that were cast for Eugene Debs when he headed the Socialist ticket in the Presidential election 25 years ago.

"We have the Child Labor Amendment defeated for the time being, and I take pleasure in saying that I have done my part in the great state of Michigan. 'Eternal vigilance is the Price of Liberty,' and every patriotic, liberty-loving, God-fearing, American citizen who believes in the preservation of the American ideals should remain on the firing line for the preservation of the American Government."

You Are Cordially Invited

The wealth of the South will be on display at the Grand Central Palace, New York, from May 11 to 23, inclusive. The occasion is the Southern Exposition, and visitors to the metropolis will be shown in a graphic way at least a part of the accomplishments that make "The South the Nation's Greatest Asset."

There will be set forth the products of mines and mills and factories. Cities will exhibit and colleges, railroads and highway departments will compete in the effort each to make the most convincing display. It promises to be an event in which the whole South may take pride—and the rest of the country, too, for the part which the South is taking in the nation's growth.

Here is a great area, teeming with wealth and possibilities for expansion beyond that of any other section. It invites you to see this exhibition of the progress that has been attained.

The MANUFACTURERS RECORD will be especially gratified to have its friends from the North and West, as well as from the South, visit its booth, which is on the first floor, directly opposite the main entrance. You will be given a very warm welcome and there will be available printed matter giving you complete information about the South's resources and possibilities. It will be found, too, a convenient place in which to rest from time to time as you go about the Exposition hall. We hope we may count upon the privilege and pleasure of seeing you.

THE FIRST WHITE BRICK PLANT IN GEORGIA.

THROUGH the establishment of the Georgia White Face Brick Company at Gordon the South adds a new industry of a new kind to its great and growing list. In an advertisement of the Central of Georgia Railway this brick plant, it is cited, is "the first to undertake the manufacture of white face brick in the South"; although, it is added, the South "uses upward of 50,000,000 of such brick annually." Thus the South makes the demand for such material and the South supplies it.

More and more are industrialists and other business men realizing the wonderful field afforded in the South for constructive enterprises of every kind. The rapid and substantial development of the South adds new demands, almost daily, on a thousand and one different lines. And as each demand is voiced the South itself produces the materials—animal, vegetable and mineral—and keen business men seize the opportunity to found profitable enterprises to furnish the supply.

The establishment of the Georgia White Face Brick Company is not only an instance in this growth of demand and supply, but also is indicative of a condition in which the South well may rejoice.

THE MORAL RESPONSIBILITY OF BANKERS IN PLACING FOREIGN LOANS.

IN defending American bankers who are pouring hundreds of millions of American money into Europe, the Birmingham News takes a rather remarkable position. In closing an editorial on the subject it says:

"The delicate task of the United States Government is to practice discrimination in okehing these applications received from American bankers to float foreign loans in this country. The bankers themselves are bankers, purely and simply. They cannot be the judges except in so far as they must decide upon the validity of the applications. So long as there are countless millions of wealth seeking to invest in foreign securities at handsome interest rates, being business men, they will take their cash in commissions. If any blame is to be placed, it must be on the United States Government, which first is asked to sanction the loan—not on the bankers, who cannot be expected to be moral and spiritual guides to Europe and this country."

It is not the business of the United States to O. K. these loans to foreign industrial interests and municipalities and state governments. With that the United States Government should have nothing whatever to do; for if this Government presumes to say when and where a loan of this kind should be made, it becomes morally responsible for the protection of that loan, and that is contrary to anything which this Government should do.

It is not the Government's place to decide on the validity of these loans, or the security back of them or the wisdom of the American people making these investments. The moment the American Government should do anything like that it would be morally bound to protect these loans, even if in doing so it had to go to war when the loans were defaulted, whether they had been made to Central American, South American or European countries. The American dollar that goes abroad must go on its own individual responsibility and not on the backing of the American Government as to its responsibility.

It is true that some European Governments practically back the loans their citizens make, and when the loan is defaulted either take possession of the country or of its financial affairs; but that is no reason why the American Government should pursue such a policy.

The Birmingham News says: "The bankers themselves are bankers, purely and simply. They cannot be the judges, except in so far as they must decide upon the validity of the applications." It is astonishing that a paper such as the News should make such a statement. The bankers are responsible morally for every loan they place for foreign investors, whether in industries or to Governments. The time is coming when the banker who issues securities will be compelled to guarantee the statements made in his advertisements of these securities. That may be a far cry and it may be years before it comes about, but all the power of the banking interests cannot prevent a just demand that the banker who sells securities shall be held as strictly responsible for the quality of these securities as the business concern which sells iron, steel or other lines of goods.

There are not, as the News suggests, "countless millions of wealth in this country seeking to invest in foreign securities," except as the owners of these millions are persuaded by the bankers to buy these securities of countries to which the loans are made.

The moment the banker seeks to escape moral responsibility for the character of the securities he places, that moment he lowers the standard of his own integrity and of his integrity in dealing with the public.

The bankers have for years been fighting for the "blue-sky laws," by which some stocks cannot be sold until they have been passed on by a committee of state officials or bankers, but many of the bankers who have been advocating

these "blue-sky laws" often issue securities as unsafe and unsound as some of the gambling stocks which from time to time are floated on the public by unscrupulous promoters. We do not mean to charge investment bankers with putting out these securities knowing that they are unsafe, but we do say that many of them issue securities which have not been sufficiently well investigated and which the bankers themselves do not hold, but promptly sell to the public, taking a good commission as toll for the transaction. That is exactly what the promoters of wildcat stocks do. A large proportion of these promoters, we think, are really made to believe that the securities are good, but millions and hundreds of millions are every year taken from those who can least afford the losses by these promoters of oil stocks and mining stocks, and one thing and another; likewise, millions are sometimes lost by investments in securities which are not safe, though issued by investment bankers of high standing.

Just now there is a rush by bankers to lend money to foreign interests. Unhesitatingly, we say that much of this money is not safe. The interest may be paid and the principal may be paid when due, but no intelligent man studying the conditions prevailing in Europe and other parts of the world to which we are making loans can help realizing that the world is yet in such a condition of turmoi and hatred, one country against another, that few of the loans we are making can be counted as really gilt edge. Tempted by the commission which they secure and the apparent high rate of interest which their customers get in buying such securities, too many bankers are pressing these foreign loans upon American buyers.

The position taken by the Birmingham News is absolutely untenable from every point of view. It says that the bankers "cannot be expected to be the moral and spiritual guides to this country and Europe." The banker who is not a moral and financial guide to his customers is a banking fraud. He may make mistakes, as all humans do; but if he had no greater sense of responsibility to the public than is claimed by his defender, the Birmingham News, then he would be worse than the veriest promoter who knew that his gambling stocks in oil and mining operations were worthless, even while he was selling them.

The banker has a high moral responsibility. He controls the wealth of the nation, and we rejoice that a large proportion of the bankers realize this moral responsibility to their customers and to the country. If it were not so, and if the bankers were as the Birmingham News suggests, it would not be long before this country went to the dogs or to some place else where ice is always needed but never found.

A CALL TO THE YOUNG MEN OF THE SOUTH.

WHEN the older men of Georgia had failed to make good in seeing that their state would be represented at the Southern Exposition and the Junior Chamber of Commerce of Atlanta assumed the responsibility at the request of Governor Walker and carried it through to success, the editor of this paper wrote John M. Slaton, Jr., the president, as follows:

"It is to the young men of the South that this section must look for an enthusiastic revival of the spirit of activity which blossomed forth at the time of the Atlanta Exposition, over 40 years ago. The men of that day have to a large extent passed away. I could call the roll, possibly, of some hundreds with whom I was in personal touch, who led the South by the most heroic work out of the desperate poverty following the Civil War and Reconstruction days to the abounding prosperity which swept over the South between 1880 and 1892. The spirit of enthusiasm, of boundless faith in the South, was then in evidence. A New York banker returning

from a trip through the South wrote me that wherever he went he had heard what had been called the 'music of progress—the whir of the spindle, the roar of the furnace, the throb of the locomotive,' and he rightly voiced the condition then prevalent. But hardships came upon the South following the great panic of 1892, and it has taken a long time for this section to rebound fully to a realization of its great possibilities.

"It is to the young men of the South that we of the older generation must now look for that enthusiasm which will bring about, from Virginia to Texas, an activity which will match what is now seen in Florida. This is altogether possible. The resources of every state in the South justify it. It depends wholly upon the people of the South whether they shall have abounding prosperity or only a slow and steady growth, falling very short of the potentialities of this Heaven-favored region.

"Your organization has assumed a large responsibility in determining that Georgia shall be represented at the Southern Exposition. May your success be as great as your desires and your energy, and may the work that you are doing set on fire the ambition of every other young man in the entire South and cause them all to go forward!

"When the Children of Israel faced the Red Sea, with the army of the Egyptians in the rear, and death seemed certain either from the army behind them or the sea in front of them, Moses was told to 'go forward,' and the waters parted before the march of the Israelites. Today the South is told to go forward in material development, for without material prosperity there cannot be educational or religious advancement. Our schools and our churches are wholly dependent upon the prosperity of business interests to carry forward their work. Therefore, every man who is engaged from right motives in material upbuilding is helping on the educational and religious advancement of this section. The creation of employment and the creation thereby of wealth mean that the South can have better schools, better paid teachers, more churches and better paid ministers of the Gospel, and out of all of this will come an uplifting of the whole people. That is the call which your organization heard when it answered to Governor Walker's challenge."

VIEWS OF A LEADING NEW YORK BANKER.

ONE of the leading bankers of New York city advised the MANUFACTURERS RECORD that one of his customers had been thinking of moving his plant from the East to the South, but the manufacturer stated that he was not thoroughly familiar with Southern conditions. The banker says he gave this gentleman a copy of the MANUFACTURERS RECORD which contained the first article on "Yankee Thrift and Southern Progress," and advised him to read it, together with other information contained therein about the South. A little later this customer returned and informed the banker that he wanted more information regarding the possibilities of the South, and he was advised to get in touch with the MANUFACTURERS RECORD.

In commenting on the articles on "Yankee Thrift and Southern Progress," this banker stated that he was in hearty accord with the writer of these letters.

A representative of the MANUFACTURERS RECORD who was talking with this banker, and he is one of the leading officials of one of the great financial institutions of New York, was told that he was in full sympathy with the views occasionally expressed in the MANUFACTURERS RECORD about religion and spiritual things in general, and the banker added:

"It would be a good thing for business if more men would consider just what they are, why they are here and where they are going, and give more credit to a Greater Force than themselves for the success of their careers."

It is a very interesting fact that editorials in the MANUFACTURERS RECORD which deal with spiritual or religious questions, not only from the strictly religious point of view but also from the viewpoint that all business and all civilization must be based on religion, call forth more letters of commendation than any other editorials which we publish, indicating that the business men of this country are more and more thinking very seriously on these matters.

CONSERVATION AGAIN DISCUSSED IN WASHINGTON.

A FEW years ago the theme of public discussion at every gathering was "conservation." Mr. Roosevelt used it as political ammunition in season and out of season. Gifford Pinchot made a national reputation as an advocate of conservation of natural resources, and the coal veins on Government land have had a different history ever since. At that time the plea was protection to industry, for those were considered days of peace, and it seemed less needful to watch the European Concert than since the great war. Moreover, Japan was then barely emerging from the chrysalis of feudalism and had not struck the dramatic attitude of imperialism, despite the notice given of the birth of a new power in her baptismal conflict with China.

Then conservation went out of style. The idea of tremendous fomentation of both production and consumption, which expresses the logical end of the methods of the so-called Industrial Revolution, dominated the minds of the people. Conservation is not in harmony with that conception. Taken broadly there is merit in both principles, but there are times when it is necessary to look critically at our situation and consider what we should do if wasteful expenditure of some of our resources were to go forward unchecked.

We must frankly acknowledge the significance of the failure of the protocols at Geneva for prohibition of war. First, the reservation of certain fundamental causes of war, attached to the protocols through the insistence of Japan, and later the rejection of the whole scheme by Great Britain, aroused anew the public interest, not in disarmament but in protection of the nation by making sure of sufficient resources within the country to repel a possible enemy. Insurance of our peace is quite as prudent a policy as insurance of our houses and factories against the eventuality of destructive fire.

Accordingly, it is with particular interest that we note in recent Washington correspondence that the stability of the mining industry will become a prominent public issue during the next year. It is said that Secretary Herbert Hoover, by virtue of the profession of mining engineering to which he was trained, has responded with alacrity, and that conferences on the subject are in progress. A remedy aimed at is said to be that of seeking legal authority for consolidations, encouragement of larger units and controlled production. It is justly claimed that the present methods result in mining the higher-grade ores, thus leaving the lower grades in caved and inaccessible workings, effectually preventing their ultimate utilization, despite future improvements in mining and in metallurgical treatment. This is all true. Moreover, to take one industry as an example, copper is selling today at a slightly lower price than the average for the past 30 years. The costs of production have greatly increased. Not only has the value of the dollar been reduced by about 50 per cent in that period, but labor costs also have increased, if not in proportion to the purchasing power of the dollar, at least about 30 per cent. By means of rigid economies and by improved machinery, and better extraction metallurgically through the use of the modern system of floatation, the costs have not kept pace with the shrinkage of the dollar. Nevertheless, it is wasteful of our national resources, even if the better circumstanced copper companies are able to operate without loss under such conditions.

It seems quite improbable that any great new mines will be discovered. The country has been searched, and today men do not stumble upon copper properties; they seek them through applied geology, at vast cost, and the chances of finding more are lessening daily. In the United States there remains about 30 years' supply at the present rate of production. After that period there will in all probability not be

more than 10 or 15 per cent of the present tonnage of domestic copper marketed. Without copper in great quantities we could not maintain equipment to meet an enemy. This is a case where conservation assumes first-rate importance. Our national insurance depends on remaining self-sustaining as to that metal. Our lead resources are declining also, and the world is being combed for more. Under such conditions restriction in output is clearly necessary for the well-being of the American people. That implies increase of price. It has to come or we will become dependent on other nations, and without an adequate navy we cannot expect to control the seas so as to import articles needed at a time of stress.

Apparently, not only will a tariff be needed to protect our copper mines, but more drastic methods may be required. A tariff will protect industry, but when the problem is that of raising the price to a profit-earning level, and of restricting production at the same time, new functions will be required of Government in order to protect not only the industry but the security of American institutions and American homes and American lives.

To be prepared is to live at peace; trouble comes to the man that is unprepared. It is certainly appropriate that men should seriously face these grave problems, and not leave them to be dealt with selfishly or sentimentally. It is truly a national issue.

THE DEATH OF DR. DAVID T. DAY.

IN a letter to the New York Times, Anthony G. Young pays the following well-deserved tribute to Dr. David T. Day. Mr. Young said:

"In the obituary notices published in the Times and other newspapers of the death of Dr. David T. Day, the famous geologist who died last Wednesday in Washington, D. C., I do not see mentioned anything concerning his momentous and far-reaching discovery of oil shale deposits in this country.

"It was Day who, as the head of the Geological Survey and Bureau of Mines, made the startling discovery of the rich oil shale deposits in the United States, which really went a long way to allay the anxiety of the Government and millions of users of petroleum who expect—and on the best of authority—the natural supply of petroleum in not a very distant future to fall below its enormous demand and ever-increasing consumption.

"He later invented and developed a process, now universally acknowledged to be the only perfect and practical process in the world, to extract oil and many valuable by-products of commercial utility from shale, and he undoubtedly held the key of the shale industry in his hands.

"He was a great American, essentially a man of vision, like all other pioneers, an oil expert to his finger tips, a brilliant chemist, and was considered a master of petroleum technology.

"By the death of such a man—one of those to whom the world is everlastingly indebted for its speed, commerce, power and comfort—the oil industry generally, and shale particularly, has lost its father, I and a host of others who enjoyed his charming friendship have lost a valued friend and the world at large has lost a good fellow."

Dr. Day's death is indeed a loss to this entire country, and pre-eminently so to the South. He was an enthusiastic lover of the South. Many times through the MANUFACTURERS RECORD he wrote of the limitless potentialities of this section, and at the time of his death was preparing a paper on the oil shale possibilities of the South for this paper. The last letter received from Dr. Day by the writer was one offering to prepare a paper on the oil shale resources of this section, and he was urged to write it and give us a comprehensive story based on his knowledge of the South and of his years of experience in studying the shale deposits of Colorado. Perhaps it will not be amiss to quote Dr. Day's letter, which was as follows:

"It surely seems like old times to write to you, and suggest bringing a matter of Southern industrial development up to date in your paper. I would have done so before, but, by

direction of the Bureau of Mines, I have had to devote all my energy, until now, to the development of the oil-shale resources of the Western states of Colorado, Utah and California. Now the condition has arrived where the oil-shale development has begun as an industry out there and promises to leap ahead.

"Such being the case, it is only fair to recognize the debt of oil shale to the South and to render tribute to the enormous supplies of valuable raw material quite broadly distributed in the Southern states, in West Virginia, Kentucky, Tennessee and Texas, and to point to what is sure to go forward from now on by virtue of what the South was first to do many decades ago in furnishing 'coal oil' from shale before petroleum was available.

"I'd suggest that I write out for the MANUFACTURERS RECORD a clear statement of what the South has ready to furnish in raw material and what is being done in the way of its development.

"There is far more oil available in Southern shales than has ever been furnished in petroleum, even including the production of Oklahoma as a Southern state.

"I still recognize that furnishing news through the MANUFACTURERS RECORD is the best of service to the South, and that adds zest to writing for you."

As a man of high scientific attainments, of charming personality, of the highest integrity, with a profound love for the whole country, and especially for the South—for he loved this section as though he were a native of it, though born in Ohio—Dr. Day rendered an invaluable service to the nation. His death is a national loss.

A PAPER-MAKING EXPERIMENT IN LOUISIANA.

IN reply to a recent inquiry in regard to a report that the paper mill operations of the Calcasieu Manufacturing Company of Louisiana had not proved successful, R. M. Hallowell, president of the Industrial Lumber Company, Elizabeth, La., writes as follows:

"We have your letter of the 7th in regard to the paper mill at this place. This is known as the Calcasieu Manufacturing Company and is an associate company of the Industrial Lumber Company.

"We were very much disappointed in our efforts to produce a satisfactory kraft wrapper from the pine stumps. We succeeded in abstracting the rosin and turpentine and recovering them, but the process under which we were attempting to operate did not do this without damage to the fiber; therefore, while we produced a very excellent-looking sheet as to color and formation, it did not have the required strength for kraft wrapper. We, therefore, ceased operations and are now having an investigation made by Arthur D. Little Company as to the feasibility of converting the plant into a sulphate process plant, and working up the green tops and limbs behind the logging operations. This question will not be definitely decided on before probably the 15th of next month."

GERMANY WOULD HAVE FOUND IT.

SAYS a news dispatch from Paris:

"Banking experts estimate that the French people still have something like two billion francs in gold and silver coins safely put away in safety deposit vaults, in the traditional sock and tucked away in all sorts of crevices in peasant homes or buried under floors."

How quickly Germany would have forced that money into the open had it been the victor in war, as it has been in peace! As in 1870, the German armed hordes would have sat on the doorstep of Paris till fabulous "reparations" should be paid in full. This fact is worth a thought by those who sympathize with "downtrodden, oppressed, martyred" Germany—the conscienceless, honorless, defiant Germany now whining for aid to get onto its feet, again to wage relentless and brutal war against civilization.

LIVELY INTEREST IN THE MANUFACTURE OF TEXTILE MACHINERY SOUTH.

IN his fifth letter of the "Yankee Thrift and Southern Progress" series, published in the MANUFACTURERS RECORD for March 5, our correspondent, Richard Woods Edmonds, discussed the prospects for making textile machinery in the South. The position taken by the New England textile machinery manufacturers is that they can make machinery more cheaply in New England than they can in the South; that there is little profit in the business, and capital seeking investment in the South can find many more attractive opportunities than textile-machinery manufacture, and that, therefore, it is now, and for a long time will be, out of the question to establish a textile-machinery plant in the South.

Correspondence that has come into this office as a result of that letter makes it look as though it might soon become out of the question for these same manufacturers to remain out of the South if they want to hold their present Southern business.

The manager of the Industrial Board of the Chattanooga Chamber of Commerce wrote a long letter full of meaty comments. "Those birds are whistling to keep up their courage," he said, and added:

"They have long since quit pointing out any other obstacle to a Southern producing plant for textile machinery than that very exorbitant cost. The Eastern textile people told me 12 years ago that we could make sheeting and awning cloth, but we could not manufacture the finer grades of lawn, chambray and other high-grade goods. In less than four years after they sang their song to me we were producing what they said we could not produce, doing it better than they were doing it, and at less cost."

Commenting on their objection that the Birmingham steel district does not produce the rolled shapes they require, he said:

"Birmingham is producing 90 per cent of the rolling-mill raw material that enters their machines. The distance from the Pittsburgh-Wheeling district to Chattanooga is 649 miles. It is 677 miles from the same district to Providence and 632 miles to Worcester."

Speaking of a Southern repair plant for their machinery that could be used to manufacture parts and gradually developed to make more parts and eventually make whole machines, he said:

"The real objection to a parts-producing plant South is what they know will be a rapid evolution from the parts plant to a whole plant, and that moment the Southern people would rid their minds of the idea of a \$25,000,000 investment."

Our correspondent, commenting on this same point in his letter, said:

"It may come in that manner, but it seems to me that if I were one of the five textile-machinery manufacturers in New England I would get the other four together and propose an agreement between us that neither of us ever enter the South in that manner. For if one goes, all must go, and there will be no advantage to any. * * * But there is still another manner in which the textile-machinery business may enter the South, which the present manufacturers appear to overlook, and that is the same road through which it originally entered New England."

We believe that if the five large textile-machinery manufacturers in New England could realize how thoroughly the South has learned to ignore all arguments designed to prove what the South cannot do industrially, and if they could see the correspondence that has come into this office as a result of that one article, they would realize the time had come for them to establish Southern branches to take care of their Southern business or get left.

"A 'LIMPING' STANDARD."

THE New York Journal of Commerce, well known as one of the most conservative papers in the country, had a rather remarkable editorial in one of its recent issues on the world's monetary situation under the heading of "A 'Limping' Standard."

It closed with the statement of the possibility that "the present monetary agitation, the new gold standard, will turn out to be about as 'limping' a basis of value as any that has existed in the past."

This editorial raises such an important question as to the present world-wide discussion of the gold standard and of local national currency that we quote it in full, for everything which throws light upon this vital matter is of interest to every business man:

"In former years the term 'limping' standard used to be applied to a certain form of bimetallism. It might be very well used today to describe the situation of those countries which have had gold exchange standards foisted upon them. But it applies also to those which are not able to maintain a full gold standard, yet are obliged to resort to lame expedients of one kind or another. The latest example of that sort is furnished by Argentina with her resumption of a plan for issuing currency against gold on deposit in New York so that a home circulation is provided by means of deposits in foreign banks.

"The present application of this notion is understood to grow out of the fact that the holding back of wheat in Argentina and the refusal of Europe to buy when prices advance have deprived the market of wheat bills which could be purchased for foreign delivery and against which foreign exchange could be sold for pesos. In order to remedy this situation the Government undertakes to issue local national currency, while amounts that are due abroad will be converted into New York exchange and deposited here as security. Very much the same plan was followed during the war at a time when we forbade gold exports and when, therefore, there was the same tendency which is now noted toward scarcity of money in South American countries. At that time we resorted to the plan of putting the sums due to Argentina in gold in local banks, and eventually in the Federal Reserve Bank, 'impounding' them in that way, while, on the other hand, the Argentine Government made them practically available in Argentina by issuing paper currency against them. The plan worked well enough for a time and was finally closed out through the exportation of the gold itself at the close of the war. However, this same gold came rolling back to the United States in a very short while and eventually necessitated Argentina's borrowing in this market.

"Indian currency developments have not been very much more satisfactory since the war. Although India has pretty consistently had a favorable balance of trade, that balance is by no means uniform, but varies a good deal from time to time. The trade of India has expanded remarkably within recent years and has besides begun to branch out in new directions. Whereas conservative Indian merchants formerly imported chiefly or solely from Great Britain, they are now inclined to purchase from the United States, as witness the increasing amount of Standard oil and low-priced automobiles on sale in the country. It has become a good deal harder on that account to manage the old-fashioned gold-exchange standard, which was introduced by Great Britain originally with the idea, no doubt, of keeping a rather closer hold upon the Indian market than she could otherwise expect to do. The gold-exchange standard may work a little better when the convertibility of sterling is resumed, yet remembering that that convertibility will be made actual only with the assistance of the United States and with (for a time at least) some pegging of exchange rates, it is likely to be a good while before matters will settle down into a satisfactory and stable situation.

"There is no doubt that the post-war condition of the world, in a monetary way, is one which calls for a thorough cleaning up and general reorganization of money. A time must come before very long when expedients of the Argentine type, evasive gold-exchange standards and other things of the same sort are laid aside. What is needed is the development of a satisfactory monetary standard upon which all countries can reasonably rely if they adopt it in good faith and carry out the principles which govern it. And in so doing they must accustom themselves to a position in which they

definitely undertake the introduction of stability as a budgetary requirement and the maintenance of well-assured and protected banking relationships with other countries. In no other possible way can they make themselves certain of protection against the constant fluctuation caused by price changes, hoarding of commodities, variations in trade balances and other things of the same sort.

"Prior to the World War the use of a 'limping' standard of one sort or another was more or less feasible because of the fact that the stronger countries, industrially speaking, were apparently firmly planted on the gold standard and so furnished a fixed point of departure upon which all other countries could depend with assurance. The case is very different today, few countries outside of the United States having enough gold to make perfectly sure of the restoration of the gold standard upon their own unaided responsibility. Prices everywhere are 50 per cent or more above those of the pre-war era, and general restoration of the gold standard, if sincerely accomplished, must be expected to introduce a strong tendency at least toward reaction of prices in the direction of former levels. Could such a reaction be endured, and if so to what extent?

"All these factors point strongly toward the need of international action on money. The 'limping' standard of former times is out of the question; the gold-exchange standard discredited. Experiences like that of Argentina and on a larger scale of India point to the need of abandoning pretense and getting back to straightforward monetary methods, which, so far as possible, should be uniform throughout the world, and hence correspondingly more firm and well established. Nevertheless, the money question is currently viewed as little more than the problem of restoring 'convertibility' in England and a few of the neighboring countries. Should that prove to be all that comes of the present monetary agitation the new gold standard will turn out to be about as 'limping' a basis of value as any that has existed in the past."

HOW TO MAKE BANKING SAFE.

THERE is an old story that many years ago a law was enacted in China that the president or cashier of any bank which failed should be promptly beheaded, and that as a result of that law bank failures are unknown in China. Whether the story be true or not, something of the same kind seems to be the rule in Spain. According to a recent letter to the MANUFACTURERS RECORD, a great bank in Spain, reported to be one of the biggest institutions of the kind in that country, failed with about \$6,000,000 on the wrong side of the ledger. Within ten days a new committee had been put in charge to try to save the institution and the entire official personnel, including the board of directors, was sent to jail without bail. They included some of the most noted financiers in Spain and members of the most aristocratic families, but that made no difference in Spain. And the letter adds:

"Can you imagine the board of directors of any one of the biggest banks in New York being sent to jail for financial delinquency of such a kind as this? These men were not accused of stealing; they were accused of criminal responsibility for involving the money of their clients in disaster. The failure has made a great sensation, equal to what would result from the collapse of one of the big banks in New York."

Perhaps if Chinese methods, or even Spanish methods, were adopted we would not have any bank failures in America.

A second letter referring to the failure of the Credito de la Union Minera of Bilbao gives an interesting account of the civic pride and the financial pride of the bankers of that city. It says:

"The other bankers in Bilbao and various organizations, industrial and others, got together and pledged themselves on some pro rata basis of financial ability, and announced by signed and authenticated documents that Bilbao was determined that her good name as a city should never be impaired, and they subscribed the total amount necessary to reimburse the losses sustained by the failure of that bank. I think we should call that Commercial Honor, and spell it

with capital letters. It is not uncommon for other banks to come to the rescue of a weak brother institution to save it from collapse, but to actually make up a \$6,000,000 loss is quite another thing.

WAKING UP FOR BETTER THINGS.

INDICATIVE of the awakening spirit throughout Georgia, and the determination of that state to wake up and go to work and once more place itself in the forefront of Southern development, is an editorial from the Atlanta Constitution, which reads as follows:

"The Constitution Thursday carried the following news dispatch from Jackson, Ga.:

"Georgia is no longer the Empire State of the South," declared Gen. Walter A. Harris of Macon, former governor of the Georgia district of Kiwanis Clubs, in an address to the Jackson Kiwanis Club Tuesday night. "The state has lost prestige largely because of what is termed "personal politics," and owing to a lack of leadership and vision." General Harris said, "There is an empire state to the north of us and an empire state to the south of us, but people are passing through Georgia and spending their money and developing other states."

"This should put the people of Georgia to thinking.

"Already definite steps are being taken toward putting Georgia back in her rightful position. The passing of the biennial session bill last year and its overwhelming ratification showed the first concrete evidence of a change in the tide. In the approaching assembly many of the faces of legislative freaks, who have contributed much in the past to Georgia's decline in prestige—referred to by General Harris—will be missing. All in all, it is the strongest assembly, from a personnel standpoint, that Georgia has had in many years. The next assembly will be even stronger, in all reasonable probability, for business men are awakening to the fact that they must make the necessary sacrifices to serve their state in the present crisis. And it is a crisis. When North Carolina to the north and Florida to the south develop almost by magic, and by reason of business in government and aggressive policies that invite rather than repel visitors and home-seekers, the challenge to Georgia by comparison alone creates a crisis that ought to stir every loyal Georgian to meet it.

"The other day the suggestion was made in the Constitution that \$1,000,000 be raised for the purpose of properly advertising Georgia before the world, every penny to be employed in that service. It was proposed that 1000 Georgians subscribe \$1000 each. Hardly had the issue of the Constitution been circulated before two responses were received.

"With organized effort the amount suggested by J. T. Holleman could be raised in 90 days.

"Georgians are today learning what they have long overlooked. They have felt the sting of petty politics controlling government and arresting every forward-looking movement. They have felt the distressing results of world-wide publicity given to 'night riding,' mob activities, invisible government and the like, and the overwhelming majority of good and progressive people have had to suffer from the actions of comparatively small groups of irresponsibles.

"The people of Georgia are determined to correct these conditions. The state is aroused to the necessity of regaining its lost ground as never before, and fortunately it has every possible advantage with which to push again to the fore—and become in reality again the Empire State of the South."

This spirit is breaking loose not only in Georgia but in other Southern states. Everywhere the people are beginning to awaken to the necessity of moving, and moving rapidly, to catch the incoming tide. This tide will pass by the states which are not active in turning it their way. There is a Southward movement, a rising flood tide from the North and East to this favored section, but it is going to move toward the states which show the greatest energy and enterprise. It is not going into dead communities. It is not going into places where local initiative and activity are not at work. As like begets like and as activity begets activity, so the community and the state which do the most for themselves will attract the largest attention from the people and the money of other sections.

SOUTHERN STATES LOSING POPULATION TO FLORIDA.

A STATE census recently compiled by Florida officials gave to that state a population of 1,253,600, as compared with 968,470 in 1920. This represents an increase of nearly 30 per cent. The state officials believe that the report has been fairly compiled and accurately represents the permanent population of the state. During the winter season, of course, the population is greater than these figures by several hundred thousand tourists and winter residents. Possibly some of them were included in this compilation, although it was the intention of the authorities to secure only the regular state population. At any rate, there has been a remarkable increase in Florida's population, and much of it is from other Southern states, due to the lack of enthusiasm and energy in state upbuilding. If these states do not want to continue to lose population to Florida, they must bestir themselves more than they are doing.

BETTER QUIT, SIR GEORGE.

SIR GEORGE PAISH, the British financial authority, or at least so regarded in Great Britain, continues to carry on his propaganda throughout the United States in behalf of free trade and internationalism, but we imagine if Secretary Mellon or anyone standing as close to this Government as Sir George does to the British Government were to make such a campaign in England against its economic and established policies, he would receive a hint that his work was not desired in that country.

An individual wholly disassociated from any governmental position, past or present, might perhaps carry on a campaign of this kind without arousing any direct criticism. Sir George Paish is hardly in that position. We decidedly question the desirability or the wisdom of his propaganda throughout the United States to induce us to attempt a policy contrary to what the American public believe in but which would be to the very great advantage of England. We are inclined to think that the very advocacy of his policies by Sir George will create a spirit of hostility to them and make more certain than ever that they will not be adopted in this country. Sir George is losing good time, and instead of winning supporters will gain decided opposition to the things he advocates.

FLORIDA'S SPRINGS AND LAKES.

FLORIDA is a state of thousands and thousands of beautiful lakes and of marvelous springs. One of these springs flows 500,000,000 gallons of water a day, and riding over it in a glass-bottomed boat one can see with the utmost clearness fish of many sizes and of many varieties sporting in the waters, 75 to 80 feet below. This spring, which forms a river, is so wonderful, so beautiful, so entrancing in every respect that if it were in any other part of this country it would be necessary to surround it with policemen to keep the crowd back. It has never been properly advertised by the railroads which pass through its vicinity or by the people of that section. It is known as the Silver Springs of Ocala.

The De Leon Springs, owned by Daytona people, is another rarely beautiful body of water. It flows about 75,000,000 gallons a day and apparently is gushing forth from a great underground river, and the overflow from the spring creates another river. This water, too, is clear as crystal.

From one end of Florida to another many things equally as interesting as these springs are to be found, beautiful, wonderful and mysterious they are.

Enthusiasm and Energy Assures Success of Exposition.

Due to the enthusiasm and the energy shown by many states and organizations and groups of business men throughout the South, success is assured for the great Southern Exposition, to be held at the Grand Central Palace, New York, for two weeks, beginning May 11.

"The Southern Exposition is going over in whirlwind fashion," said Vice-President J. H. Nixon of the International Expositions in an interview in the Johnson City (Tenn.) Chronicle. "Its success is going to be felt in the South for years to come."

Mississippi is in line, and Alabama; Georgia is in fine shape; Virginia, West Virginia and Kentucky are eager for the opening; South Carolina is fixed up and North Carolina is in excellent shape, as are Arkansas, Missouri, Louisiana and Texas, with Tennessee on a spurt, Mr. Nixon finds in observation on his travels.

For Alabama, in which leading citizens and the Birmingham Junior Chamber of Commerce have been intensely active, the Birmingham News says that "Alabama will be written across the skies of New York city on the night of May 19, which has been set aside as 'Alabama Day,' if the plans of the Birmingham Junior Chamber of Commerce are carried out. The Golden Rod State and its achievements will be blazoned before every New Yorker and visitor to America's metropolis." An Alabama banquet will be held that evening at the Hotel Astor under the auspices of the Junior Chamber, and Leslie Fulenwider, formerly a director in the Junior Chamber and now president of the Famous Features syndicate in New York, has been appointed general chairman of arrangements, with the Alabama Society of New York co-operating. Among those to be invited are Governor Brandon, Senator Underwood, Gen. R. L. Bullard, Miss Helen Keller, Lois Wilson, Octavus Roy Cohen and Edgar Valentine Smith.

On other lines, Alabama's health and educational facilities and its system of public highways will be given prominent positions in the state's section. As Chairman Theodore Swann of the Alabama division expressed it:

"We believe that our public school system is well worth exploiting; our health ranks high in the list of states and our highways are far better than is generally known in the North. One of the greatest purposes of the Exposition is to inform the North and other parts of the country of the many features of this state that are not matters of common knowledge."

A representative display of Alabama's coal and coke industries was assured, according to the Birmingham Age-Herald, when James L. Davidson of the Alabama Mining Institute announced that the organization is laying plans for the exhibit, to be in charge of competent attendants. Also, S. C. Starke, secretary of the Birmingham Real Estate Board, said:

"Exhibits should be ready by April 29 for shipment from Birmingham. Manufacturers will not have to send men with their exhibits—all that will be taken care of. Whether or not Birmingham will be adequately presented to the thousands of visitors seeking to learn about the progress and development of the South and of our great city depends on the immediate decision of our local manufacturers."

Subscriptions by the Alabama Power Company and the Tennessee Coal, Iron & Railroad Co. have made possible creditable exhibits by the Alabama Polytechnic Institute, Auburn and the University of Alabama. The University will make an exhibit of Alabama minerals, and the Polytechnic Institute will send an exhibit of farm and orchard products, soils and their analyses, charts and other matter

explanatory of dairying, and farm activities generally. As chairman, Miss Agnes Ellen Harris, dean of women and home demonstration agents, will prepare from Auburn home products largely of the home demonstration women and girls. All these exhibits will be shipped to New York in ample time for effective display.

Information from Sheffield has it that the Muscle Shoals district is to be well represented, with charts showing the Wilson dam, the power house, nitrate plant, and so on, and a number of products of Sheffield, Tuscumbia and Florence. Minerals and woods of Franklin county will be included in the Muscle Shoals exhibit, many citizens of Russellville having interested themselves in this feature.

Mobile, too, plans a great display, in which fruits, vegetables, lumber and manufactured products will have a conspicuous part.

Morris Bush, president of the Alabama By-Products Company, says the Birmingham News, has notified Chairman Swann that his company would finance the exhibit to be made by the State Health Department, and to that end has increased its space subscription from 100 to 300 square feet, giving 200 square feet to the health exhibit.

According to the Florida Times-Union, "Hollywood, represented by the Florida Society of America and the Florida Industrial Contest, will occupy space at the Southern Exposition which will afford an opportunity to the South for national publicity through the visit of thousands of people and through newspaper work such as it never has had before." In this display, it adds, "information concerning Hollywood, the society and the contest will be dispensed, giving thousands of future residents their first glimpse of Hollywood."

With a dozen pipe and foundry companies, says a news dispatch from Anniston, Ala., the Southern Manganese Company, the Federal Phosphorus Company, the Federal Carbide Company and almost every cotton mill in Anniston planning to exhibit, present indications foreshadow a most attractive and impressive Model City section in the 600 square feet of space assigned to that city. William Deyo, manager of the Anniston Foundry Company, will go to New York to represent the pipe interests in arranging their display, while Colonel Swann, president of the Southern Manganese Company; the Federal Phosphorus and Federal Carbide companies will arrange exhibits from these plants. Cotton mills will be represented in the state cotton exhibit. C. H. Hamilton, president of the Alabama Pipe Company, has been elected chairman of the pipe exhibit committee, and Walker Reynolds of the same concern is secretary.

The following pipe plants will be represented in the Exposition: Standard Foundry Company, manufacturing water mains and sanitary pipe; Union Foundry Company, Alabama Pipe & Foundry Company, Ornamental Foundry Company, all under the organization of the Alabama Pipe Company, and Anniston Foundry Company, Anniston Soil Pipe Company, Emory Foundry Company, Interstate Foundry Company, Rudisill Soil Pipe Company, Independent Foundry Company and Lee Brothers Foundry Company.

A news article in the Tuscaloosa News says that two committees, one to finance Tuscaloosa's exhibit at the Southern Exposition and the other to prepare the exhibit which will be sent to it from that city, were named by J. C. Persons, president of the Chamber of Commerce, pursuant to instructions from the Chamber of Commerce. C. B. Verner, chairman, and S. F. Clabaugh and Hayse Tucker constitute the finance committee, and C. M. Ayres, chairman, Karl

Elebash and E. C. Beatty were named the committee to prepare the exhibit for the Exposition. The Chamber of Commerce will take 200 square feet of floor space. The two committees are expected to work co-operatively and the latter committee to confine its expenditure in preparing the exhibit to funds provided by the former committee. This action came as a result of a visit of Robert Jemison, Jr., and J. W. Porter of Birmingham. Mr. Jemison stressed the importance of the New York exhibition, declaring that Florida and California had many times spent great amounts of money in making exhibits for two and three days instead of two weeks. The Southern Exposition is Alabama's best opportunity to exhibit its opportunities and resources, he asserted.

In regard to North Carolina, the Asheville Citizen says that Col. S. A. Jones of Waynesville, one of the leading promoters of mining properties in the state, is preparing an exhibit of minerals and products of the industries allied with his own enterprises for the Southern Exposition. The acquisition of this exhibit will, it is believed, strengthen the showing of western North Carolina. Material from the Carolina Abrasive Company, Rhodolite Company, red garnet mines and from the deposits of sapphire corundum are being prepared by Colonel Jones and will be assembled and displayed by the Asheville Chamber of Commerce as a part of their service to that section. Another exhibit of minerals and of forestry products is being prepared by the North Carolina Geological Survey.

Almost all of the original 1000 square feet reserved by the Chamber of Commerce and supplied free of charge to industries of the section has been allocated and efforts are being made to secure additional display floor space. A design incorporating shrubs, plants and vines native to those mountains is being worked out by Otto Busseck of Middlemount Gardens, and will be followed in decorating the booths and the entire reservations of western North Carolina. A landscape painting measuring 6 feet by 80 feet is being prepared and will form the background of the section. Moving pictures of the region will be shown daily. A representative of the Chamber of Commerce will be on hand to explain and to show the exhibits.

A display of Indian crafts will be made up by the Chamber of Commerce of Bryson City. Additional space has been reserved by the Brevard organization for the display of products of that section. Other industries represented include the Biltmore Industries, Hans Rees Tannery, Champion Fiber Company and Allanstand, N. C.

The Chamber of Commerce is especially anxious to have the native mountain industries represented, with particular emphasis on wood carving, pottery, basket work and mountain crafts. To this end the Tryon authorities have been asked to co-operate, and all citizens of western North Carolina asked to submit all exhibits of general interest.

Five hundred feet of floor space in the Grand Central Palace has been taken by the Tennessee Electric Power Company for an extensive exhibit of the resources of Tennessee, for which exhibit a large corps of power-company employees are now preparing varied displays to cover every feature of the cities, towns and sections east of the Tennessee River in this state, says the Chattanooga Times. Preparations for the exhibit were commenced last July, when the company sent two men over the entire territory to gather data, information and photographs on every phase of business, industry and resources, together with full information on raw materials and products of factories in the state.

No effort whatever will be made at the Southern Exposition, says the Times, by the company's representatives in charge of the exhibit to sell electric power to visitors, the main purpose being to attract business men and manufacturers to locate in that section. Four employes of the com-

pany will remain in New York city throughout the period of the Exposition, two of whom will go there a week in advance of the opening date to install the exhibits. The two men so far selected to go to New York are Paul E. Shacklett, sales manager, and Jack C. Costello, publicity director.

This company also has prepared an illustrated booklet of nearly 100 pages for distribution to visitors, which includes views of Chattanooga and its scenic environments and views of other cities and towns in the territory served by the company's power and light lines.

Floor space in the Grand Central Palace for the Exposition is rented at \$3 per foot, so that the company is making an initial investment of \$1500 in exhibit space alone for the benefit of Chattanooga and of Tennessee, adds the Times, to say nothing of the cost of preparing, shipping and installing the extensive exhibits.

Through the Shreveport Journal, Chairman Leon I. Kahn of Louisiana describes the Grand Central Palace as situated "in the heart of a great business area and the center of a radius of 30 miles in which are 10,000,000 people." In addition to this, it may be cited, the daily "visiting list" of the Borough of Manhattan alone runs to nearly 1,000,000 people from other parts of the land and all parts of the entire world.

"The Southern Exposition means the carrying of the South's industrial leadership to the doors of the great financial interests of America and the world," said Mr. Kahn, "and it will create a wide market for the goods manufactured in Shreveport and all Louisiana and for the state's natural products. It will show wonderful Louisiana as it is today, not as it was, and its great productiveness and versatility of production."

Mr. Kahn has received word from Gen. Allison Owen, chairman of the New Orleans committee, that the Association of Commerce of that city has made a generous contribution to the state fund. The New Orleans Retail Merchants' Association has agreed to underwrite a contribution of \$1000 as a minimum to give the retail merchants representation at the Exposition.

For the observance of Maryland Day, May 12, Governor Ritchie has named a Maryland commission to represent the state. The members include John M. Alcock, president of the Baltimore Association of Commerce; William L. Marbury of the Baltimore Bar Association; John N. Mackall, chairman of the State Roads Commission; John M. Dennis, State Treasurer; Samuel M. Shoemaker of the State Board of Agriculture; Swepson Earle, State Conservation Commissioner, and W. Mason Shehan.

The Maryland Society of New York has agreed to arrange an entertainment program for visitors to the Exposition on Maryland Day. The Southern Maryland Society and other state organizations will co-operate in arranging for social functions at the display.

Governor Ritchie, Mayor Jackson of Baltimore and many state and city officials have signified their intention of attending the Exposition on Maryland Day.

Women Named for States' Days.

The following women have been named to act as chairmen of the various state days: Maryland, Mrs. J. Harvey Dew, president, New York division United Daughters of the Confederacy; Virginia, Mrs. George R. Boynton and Mrs. Hamilton Rogers; North Carolina, Mrs. William W. Fuller; Georgia, Mrs. Robert G. Reese; Alabama, Mrs. W. L. Sands and Mrs. Campbell; Florida, Mrs. T. Darrington Semple; Mississippi, Miss Pauline Orr; Louisiana, Mrs. Patrick J. White; Texas, Mrs. S. T. Mezes; Tennessee, Mrs. Barron G. Collier, and Kentucky, Mrs. Jerome Potter.

Possibilities of Georgia at the Southern Exposition.

By HENDERSON HALLMAN, in May issue of the "City Builder," Atlanta.

The Southern Exposition is different. Heretofore expositions have invited people to come to them. This Exposition goes to the people. Who would think of Los Angeles showing at Miami, or of Bangor at Baton Rouge? Anyway, the South "pulls a party" at the Grand Central Palace, New York, May 11th to the 23d. The South bears the harvest of her fields, the treasures of her mines, the products of her forests and the story of her white coal, and places them before the astonished eyes and the awakened imagination of the men and money of the North and East, inviting all to become part and parcel of the South's development. Verily the mountain moves to Mahomet!

It seems almost an inspiration that this great opportunity for the South comes at a time when millions on millions of Eastern money are being invested in foreign securities, foreign labor and foreign industries. This is the golden hour—the South's opportunity to show American bankers, manufacturers and agriculturalists that everything that can be produced in foreign markets may be duplicated in the South, by their own people, at a profit and without risk, and at the same time maintain the present standards of American living.

All this being true, it was realized at the eleventh hour that Georgia was not to be there. There was a yawning gap in the otherwise unbroken front of the Solid South. It has been well said that it was unthinkable that Georgia, replete in all that makes for a wonderland of progress—Georgia, the Empire State of the South, with a material future comparable only to her illustrious past—Georgia, from whose side Alabama was taken—Georgia, "whose sons and daughters bore the Lone Star westward and carved an empire from the heritage of the Montezumas"—Georgia, whose miners from Lumpkin, Hall and Habersham crossed the Isthmus and the plains and taught California how to wash the gold from her hills—Georgia, with the first steamship to cross the ocean—Georgia, the home of William H. Crawford, Dr. Crawford W. Long, Toombs, Stephens and Hill—Georgia, whose Grady carried the first message from the New South—that this Georgia was not to be there.

As becomes the Chief Executive of this great state, Governor Walker, determined that such could not be. * * * Again an inspiration: The Governor called upon the Junior Chamber of Commerce of Atlanta and asked them to take on their shoulders the burden of raising a fund that Georgia might be represented. These 1600 young men of Atlanta, without interest and without incentive, other than love for Georgia, undertook a work at which their elders had fallen down. They set about their task with a "faith that worketh by love." They sold Georgia to themselves, and in New York they are to sell Georgia to the world. They have raised the funds needed, and the agricultural, mineral, hydro-electric, educational and racial potentialities and actualities of Georgia will be a revelation and a pride to every Georgian and American who will see our Georgia at her best.

Possibility number one—thanks to the Junior Chamber of Commerce of Atlanta—is that Georgia will not be conspicuous by her absence: **GEORGIA WILL BE THERE.**

Possibility number two is more than a probability. It is a certainty that if Georgia goes unsold at New York, she has already been sold to her own young manhood. "Seest thou how faith wrought with his works, and by works was made perfect."

It is not all that Georgia will show the unrivaled fer-

tility of her soil, her diversified possibilities of agriculture and industrial development, her bright tobacco and peanuts, her first-prize yams and apples, her world-famed Elbertas from the largest peach orchards beneath the coloring sun, her gold and precious stones, her red and brown iron ores, manganese, ochers, baryta and clays from one county, alone, to last a half a thousand years. For the "Red Hills of Georgia" are now the forest and pasture green hills of Georgia, melting into the brown of browsing cattle. The Georgia of the first university and the first woman's college, both now the pride of the Commonwealth, makes not only the boast of her institutions of higher learning for the whites, but bespeaks the best equipped and most richly endowed universities for the blacks in America; a common school system for both races in which there is a 100 per cent attendance by the colored children, (92 per cent of whose parents and guardians pay no taxes, poll or otherwise), and Georgia takes the same care—race, color, previous condition of servitude and tax returns, notwithstanding—of all her children, and **IT'S GREAT TO BE A GEORGIAN.**

There are three natural wonders east of the Mississippi, unrivaled and unframed masterpieces of the Great Jehovah: Niagara, the Beach at Daytona, Fla., and Stone Mountain. To the South belongs two of them. Since Hezekiah "prayed unto the Lord and he spoke unto him and he gave him a sign," the world has called for a sign. The sign of Georgia is Stone Mountain, a cataract of stone, moulded by the Master, that a people might write thereon the insignia of their faith—a monument to the men of the South, an imperishable epic—not so much to their valor and how they fought, as for **WHY** they fought.

STONE MOUNTAIN IS THE ROCK OF THE CONSTITUTION. At the Southern Exposition Georgia will present a replica of this great American shrine.

This is discussing kinship, and we are at the blood. It has been suggested that the Southern Exposition will interest the desirable foreign-born who come from agricultural lands across the sea, the hope being expressed that they settle among us. All of which is well, but not necessarily so with Georgia. We would win to our mountains and valleys the hardy strain of the New Englander. The blending and fusion of the Anglo-Saxon of the Puritan with the Anglo-Saxon of the Cavalier makes the Damascus blade of human strength and racial purity. Georgia and Massachusetts stood side by side in Colonial days—why not their sons and daughters now and forevermore among the hills and valleys of the coming Georgia?

The South, with an open year and foodstuffs at easy access, will be the beneficiary of the increasing cost of living in the North. We know that as the cost of a ton of coal in the North and West increases, population will move Southward, and in Georgia we have the Piedmont Plateau, cobwebbed with wires, carrying the hydro-electric energy ready to turn the wheels of countless factories. Along this plateau there has never been an industrial failure, except by gross mismanagement. There is never a day so warm but that a cool night brings the laborer to a full maximum of work for the next morning.

Another possibility, in which there may be the pathos of

tears at that Exposition: During the war times the industrial agents showed some of the native-born of Georgia the "promised land," and John and Mandy and old Joe were given tickets to the industrial centers of the North and West. Some of them will be at that Exposition, and they will meet their white folks from back home. It is true that they are making several dollars a day, but it costs them many more a day to live. The chicken they used to get from the roost costs them \$1 to 2 now, and the ham they got from the smokehouse costs more than they will make in a day. They are the children of the sun, and have no place in the North. They "went back home," and it may be that some way will be found to bring them back. We need them, and they need us. Tonight, wherever they are, we hear them singing:

"I'se gwine back to Dixie,
No mo' I'se gwine to wander,
My heart turns back to Dixie,
I can't stay here no longer * * * *

And yet another Georgia—a Georgia whose children are old-fashioned, and still believe in Santa Claus, and at night gather round their mother's knee. A Georgia where the Bible is on the center-table, and where the grown-ups still believe in Christ and Him crucified—in a heaven with harps and songs and golden streets, and in a hell where they never shovel snow.

And now to the roll of honor:

Hon. Richard H. Edmonds and the MANUFACTURERS RECORD, Governor Clifford Walker, Jas. A. Holloman and the Atlanta Constitution, Mr. Pascal and the Atlanta Journal, Mr. Nevin and the Georgian-American, the Augusta and Savannah papers who gave Mr. Wysong such good publicity on his trip to raise money from Augusta and Savannah, G. A. Mercer & Co. of Savannah, who sent in the only check outside the corporate limits of Atlanta; the Georgia Railway & Power Co., the largest individual contributor; His Honor, Mayor Sims, and the City Council of Atlanta; the Fulton County Commissioners, and the railroads, who were a unit in giving us only their best wishes:

"This world we're a livin' in
Is mighty hard to beat;
You git a thorn with every rose,
But ain't the roses sweet?"

Frank Hooper, Jr., state chairman; Jack Slaton, Jr., president; Leon Williams, secretary, and the board of directors of the Junior Chamber of Commerce; the Atlanta Chamber of Commerce, from the bottom to the top; Paul Norcross, and those of us who wouldn't be benched but whooped 'em up from the side lines.

GREETINGS, to the Junior Chamber of Commerce: The glory is all yours. You are ready to go anywhere and do anything—to lead a dance or scuttle a ship, for sweetheart, home and native land.

OH!—ITS GREAT TO BE A GEORGIAN!!

[It was mainly due to the determination of Mr. Hallman, a leading lawyer, that Governor Walker called upon the Junior Chamber of Commerce to assume this responsibility and it was, likewise, largely due to Hallman's untiring energy and initiative that the Junior Chamber of Commerce accepted and carried out this great work. A few Henderson Hallmans in every Southern state would be an immeasurable blessing to this section.—Editor MANUFACTURERS RECORD.]

Macon Firm's to Exhibit.

[From the Macon Daily Telegraph.]

The industrial South, fringed with the social, agricultural and educational phases, will go on parade in New York next month when the Southern Exposition opens at the Grand Central Palace from May 11 until May 23. Macon is to have a handsome space in the exhibition hall.

The Exposition is a case of the mountain going to Mohamed. If the capitalists will not come South to look over our advantages, the South will go North to present them. Eleven

Southern states have availed themselves of the opportunity to be represented in the Exposition, which is designed to present concretely some of the advantages we possess in an industrial and agricultural way.

Macon was one of the first Southern cities to accept the Southern Exposition as an advantageous way of exploiting herself. F. Roger Miller, former business manager of the Macon Chamber of Commerce, was selected, while located here, to be chairman of the advisory committee. Arthur Peavy has taken up his work in behalf of Macon and will represent the city in arranging the display. The exhibit will cover 670 square feet of space.

The state of Georgia will have an exhibit arranged by the State Geologist and financed by the Junior Chamber of Commerce in Atlanta. Macon will be represented by exhibits from J. S. Schofield Sons Company, the Case-Fowler Lumber Company, the Macon Telegraph, the Huff-Daland Dusters, Inc., the J. W. Burke Company, the Standard Tile & Brick Company, the Central Georgia Power Company, the Macon Lumber & Manufacturing Company, the City of Macon and the Chamber of Commerce.

Macon visitors to New York during the period of the Exposition have nothing to be ashamed of if they go to Grand Central Palace.

Some of the Exposition Exhibitors.

Among the exhibitors who will participate in the Southern Exposition, the following have recently been announced:

Alabama—Birmingham Authors, City of Mobile, State Dock Commission, Tennessee Coal, Iron & Railroad Company, half for University of Alabama and half for itself; State of Alabama Health, Highway and Educational departments, Tuskegee Institute, Textiles, Birmingham Brick Association, Birmingham Stove & Range Company, Alabama Portland Cement Industry, Know-Birmingham Exhibit, Jasper Commercial Club, Alabama By-Products Corporation, Alabama Mining Institute, Montgomery Chamber of Commerce, Tuscaloosa Chamber of Commerce, Kaul Lumber Company, Sheffield Chamber of Commerce, Alabama State College, Alabama Power Company, half for Alabama Polytechnic Institute and half for itself; Anniston Chamber of Commerce, Federal Phosphorus Company, Florence Chamber of Commerce, Gulf States Steel Company, McWane Cast Iron Pipe Company, American Casting Company, Birmingham Board of Education.

South Carolina—FibreCraft Chair Company, Southern Aseptic Laboratories, Parker Press Cloth Company, Gibbs Machinery Company, Guignard Brick Works, Weston Brooker Company, Winnsboro Granite Corporation, Palmetto Quarries, Barstow Company, Columbia Chamber of Commerce, Banks, Fertilizer Interests, Woodstock Manufacturing Company, Charleston Bureau Foreign Trade, Leland Moore Paint Company, Francis Marion Hotel, Jacobs & Co., Laurens Glass Works; Rock Hill, Industrial Cotton Mills, Aragon Cotton Mills, Arcade Cotton Mills, Baldwin Cotton Mills, Dixie Fire Kindler, Brandon Mills, Greenville Union Bleachery, Victor Monaghan, J. E. Sirrine, H. W. Butterworth, Southern Franklin Process Company, Steel Heddle Manufacturing Company, Judson Mills, Greenville Chamber of Commerce, Duke Mayonnaise, Dunean Mills; Sweet Potato Growers' Association, Florence Chamber of Commerce, State Agricultural Exhibit.

North Carolina—Asheville Chamber of Commerce, Pomerona Mills, White Oak Cone Mills, Robinson Hotels, Blue Bell Overalls, Greensboro Chamber of Commerce.

Georgia—Georgia Railway & Power Company, W. R. C. Smith Publishing Company, City of Atlanta, Columbus Chamber of Commerce; Augusta Citizens and Southern Bank, Collingsworth Candy Company, Georgia Vitrified Brick & Clay Company, Enterprise Manufacturing Company, Sibley Manufacturing Company, Augusta Aiken Railway & Electric Corporation, Georgia & Florida Railway, Augusta Board of Commerce, H. W. Butterworth & Sons Company, Weston & Brooker, Macon Chamber of Commerce and Industrials, Georgia Marble Company.

Virginia—Rappahannock Valley, Incorporated, Virginia Bridge & Iron Company, Roanoke Water Company, C. F. Tower Company, Luitweiler Commercial Pump Company, Albermarle Paper Company.

Louisiana—Dock Board, Port of New Orleans, Conservation and Agricultural Departments, Educational, Highway Commission, Petroleum Exhibit with Mechanical Display, Yellow Pine Exhibit, Southern Pacific Railway, Missouri-Pacific Railroad, Fur Exhibit, St. Charles Hotel Exhibit.

All these state lists are far from complete and are merely indicative of the general interest.

"The Biggest Book in the World"

"The Biggest Book in the World," physically speaking, and one of the greatest from a literary and historical viewpoint, will be a unique feature at the Exposition, and will present a composite industrial and educational exhibit characteristic of the enterprise of the South. Appropriate to the occasion, the great book, as the title tells, is "The Story of the South in the Building of the Republic," and carries its story from 1607 into the year 1918.

Although a huge volume, weighing more than 500 pounds, the book will contain less than 2000 words of text, the maximum number on any page being 116 words and the minimum exactly 71. The history of a great section through three centuries of development, through three fearful wars and through the establishment and maintenance of a great republic is condensed into less than 20 pages, averaging less than 100 words each.

In physical form, the book will be 6 feet 10 inches in length, 4 feet 7 inches in width and 12 inches in thickness. The literary contents will tell of the landing at Jamestown and the performance and place of every Southern state in the history of the nation from earliest days to the breaking of the "Hindenburg line" in the recent World War, with illustrations picked with nicety to emphasize the points brought out in the great history. Out of literally thousands of appropriate pictures in the possession of the Yale University Press, only three or four were considered suitable for this great volume, and equal care was exercised in selecting the other originals for reproduction in the book.

Dedicated to "all Americans, regardless of their birthplace, who have added to the enduring heritage of the Republic in words, work and worth," the volume opens with the landing at Jamestown and devotes a page to each state, or small group of states, bringing out the main achievements in their history. For instance, it will tell how Smallwood's regiment from Maryland saved Washington's army from capture and so assured the independence of the Colonies; it will disclose to the people of Virginia that John Smith was not its original "colonist," and it will in few words describe events and men with accurate vividness.

"George Washington has been called the Sword of the Revolution; so, Thomas Jefferson may be called the Pen and Patrick Henry the Voice of the War for Independence," reads one sentence on one page, thus describing in 28 words the work and the personal character of three of the greatest men in American history.

In the story of Georgia, told in 71 words, will be disclosure of the fact that this state was the first to give liberation for unfortunate debtors, and incidently it may be said that William Penn and Robert Morris, the latter of whom virtually financed the Revolution, in their time had been prisoners for debt, though men of the highest character.

As author of this great work, Matthew Page Andrews of Baltimore has been equally felicitous in the dedication of the volume, which is inscribed: "Presenting the Biggest Book in the World to the Biggest City of the World," in compliment to New York, where the Exposition is to be held. The idea of this great volume first entered Mr. Andrews' mind a few months ago and was laid by him before a meeting of patriotic societies at Savannah, Ga., and later was submitted to a concern in New York, which agreed to make it "the biggest book in the world." Up to that time the largest volume extant was an old Bible at Upsala University, Sweden, 5 feet 2 inches by 3 feet in proportions, but this new history will be very much larger.

At the outset Mr. Andrews hoped to condense his history into 200 words to a page, but found that even this meager figure must be cut down, and he has exercised a tremendous amount of judgment and ingenuity in this work. The "print-

ing" is hand-letter work, the artist crawling over each page as over a huge rug, and outlining and completing his words with infinite patience. Each page carries an illustration, each selected with keen discrimination as to both the subject and the art. The leaves of the book will be turned by electrical devices, worked by automatic motors.

No little trouble was encountered by Mr. Andrews in obtaining a copyright for the book, it being impossible, of course, to provide the duplicates required by the Government. Eventually, Mr. Andrews induced Uncle Sam to accept small pamphlets containing the pages exactly as they are to appear in the biggest book in the world, and the great volume will carry the note, "Copyright, by Special Arrangement."

Mr. Andrews is well known as an authority on history and has lectured in many cities on the history of Maryland, of the South and of the nation. Also, he is editor of "The People's Edition of the United States" and author of "History of the United States," "American History and Government" and other works. He is a native of Shepherdstown, W. Va., and is a graduate of Washington and Lee University. For 10 years he was instructor in the University School and Jefferson School, Baltimore.

Mobile Should Be Adequately Represented.

[From the Mobile Register.]

Mobile, second city of Alabama and the state's only seaport, can ill afford to neglect the opportunity of being represented at the Southern Exposition in New York. Alabama's agricultural and mineral wealth will be on display, thanks to the enterprise of public-spirited industrial leaders of Birmingham. Shall Mobile, which is closely linked with Birmingham, in the export and import of finished and raw materials, stand aside while Birmingham underwrites the state's exhibits in New York? It should not be necessary to ask such a question.

A start has already been made to insure a suitable display from south Alabama and the Gulf Coast region, but much remains to be done and it will be necessary to accomplish a great deal in a comparatively limited period of time if Mobile is to be properly represented. A little more than one month will elapse before the Exposition opens. All exhibits should be in place before the opening date.

An Alabama exhibit that lacks a complete display of Gulf Coast products will not do justice to the state or to Mobile. Alabama is a great mineral and agricultural state, but it is also a great seafood state; has a rich horticultural region around Mobile and possesses in this city what is destined to be one of the most modern and best-equipped seaports in the United States. Also, the rest of the country may be shown the scenic beauty of Mobile, its attractions as a winter resort and playground for the tourist and the sportsman; its wealth of flowers; its historical background and its importance as a business center.

By all means, let Mobile's space at the Exposition be occupied by the most comprehensive and interesting display that can be arranged.

Maryland State Roads Exhibit.

John N. Mackall, chairman of the Maryland State Roads Commission, has prepared a large clay model showing a section with a state road completed and one partly completed, which will be one of Maryland's exhibits at the Southern Exposition. The model, which was made in Washington by Government officials, is 29 feet long, 14½ feet wide and running from 1 to 8 feet in height. It cost \$6000. It shows not only a completed state road with an incomplete section, but hills, ravines, streams of water, bridge, curves, valley, etc.

Coral Gables Takes Space.

Announcement has been made that Coral Gables—Miami Riviera will be represented at the Southern Exposition, and the magnificent display that Coral Gables—Miami Riviera made at the Architectural and Allied Arts Exhibition will be retained in its entirety.

"Georgia Will Be There."

INTERESTING DETAILS OF WHAT GEORGIA WILL DISPLAY AT THE SOUTHERN EXPOSITION.

[Special Correspondence Manufacturers Record.]

Atlanta, Ga., April 21.

Contracts closed today by the Atlanta Junior Chamber of Commerce give the Georgia state exhibit 2000 feet of floor space at the Southern Exposition, and this, with the space taken by individual industrial firms, cities and organizations in the state, will give Georgia a total of more than 7000 square feet of display space in the Grand Central Palace, New York city. The exhibit will have three general divisions, each occupying about 700 square feet. One of these will be occupied by the agricultural display, another by a mineral display and the third by a display showing the educational facilities of Georgia.

The agricultural display, under the direction of Dr. Andrew M. Soule, president of the Georgia State College of Agriculture, promises to be very interesting. It will show cotton in the various stages of growth, the different varieties of hay crops grown in the state, the types of tobacco grown in various parts of Georgia, and the wide variety of crops that can be successfully produced. On the wall back of the exhibit will be a huge soils map, showing where each important commercial crop is grown in Georgia and the possibilities of agricultural development along each line, and this will be flanked by placards showing the development of such crops as bright tobacco, peaches, melons and alfalfa.

The mineral display will be taken from the wonderful collection of Georgia minerals now housed in the museum at the State Capitol Building. This is said to be the most complete display ever made of minerals from within the borders of a single state, and includes samples of many valuable ores and a great many precious and semi-precious stones found in the state. While it would be impracticable to take the whole display to the Southern Exposition because of the great cost of such an undertaking—it cost \$30,000 to carry the Georgia mineral collection to the World's Fair in Chicago—a representative collection of the best specimens will be put on display in New York.

Because of some impression that Georgia is not as strong as it might be on educational facilities, a special feature of the state's exhibit in New York will be a section devoted to the public school system, the agricultural school system and the State University. The fact that Georgia has the oldest state-supported university in the United States and spends approximately 50 per cent of its income on its schools will be clearly brought out, and the rapid development of the state along educational lines in recent years will be graphically shown by figures and photographs.

An added feature to the official state display will be a booth backed by a replica of the Confederate Memorial on Stone Mountain. The replica will be 20 feet high and 30 feet long, and will show how the great carving will look when finished. Above the replica will be an illuminated sky-line of Atlanta, and in the booth in front will be a reproduction of the park now being constructed at the foot of Stone Mountain, with its great hotel and model village.

The official state exhibit will form only a part of the Georgia section at the Southern Exposition, however.

The Georgia Southern & Florida Railway, for example, has taken 1000 square feet of space in the section with which to show the industries along its right of way. This will include the clay products industry, lumbering, the turpentine industry, cotton manufacturing and other things of interest to visitors and of value to the state. The Georgia Railway & Power Company, in addition to making a liberal donation to the state exhibit, has taken 300 square feet of space in which it will show its power developments in north Georgia.

This exhibit will be in the form of a relief map, built to scale, 9 feet wide by 16 feet long, showing the developments of the company over an area of more than 90 square miles. Each dam and reservoir will be shown, with miniature power houses, lighted by tiny electric lights, and power transmission lines as they actually exist in the section. The Lullwater Shirt Company, an Atlanta concern, has taken 200 square feet, in which it will show the manufacture of its shirts from raw cotton to the finished product. The exhibit will act as a regular unit of the plant, and the shirts made will be returned to the factory and sold as regular products.

These are just a few of the exhibits that will be on display from Georgia. In addition to these, will be displays from Macon, Columbus and other Georgia towns, putting on their own exhibits, as well as from many individual firms and corporations, bringing the total amount of space already taken to the 7000 square-foot mark. The displays from Georgia will be under the general direction of Virgil W. Shepard, who will take the state display and individual displays and co-ordinate them as a single unit of the Exposition.

The Seaboard Railroad's Plans for Its New York Exhibit.

Seaboard Air Line Railway Company.

Savannah, Ga., April 24.

I thought you would be interested in knowing of our progress in assembling the Seaboard exhibit.

We are planning to make this exhibit as attractive as possible from the standpoint of shrubbery, flowers and plants typical of the sections served by our lines, with miniature gardens of various agricultural products containing actually growing plants. We are having twenty special exhibits covering various industrial and agricultural developments in our territory, and a specially constructed motion-picture booth at one of the ends of our space in which we will conduct a continuous motion-picture show during the hours the Exposition is open.

Attractive literature covering various important items of industrial and agricultural opportunities in our territory is being prepared for distribution.

Our Photographic Department is preparing many pictures, colored, of beautiful agricultural and scenic points along our line.

This exhibit will move in a special car, stopping at various points along our line to pick up the different parts of the exhibit, all arriving in New York in adequate time for proper installation in our booth.

A staff of representatives of the Development Department will be on hand at all times to keep visitors fully informed of the opportunities in Seaboard territory.

We feel that our efforts will produce a very creditable exhibit.

CHAS. A. McKEAND,
General Industrial Agent.

Rappahannock Prepares Exhibit.

The Chamber of Commerce of Rappahannock, Va., has completed arrangements for the use of the ground floor of the Hotel Maury for the assembling and placing of the exhibit of the Rappahannock Valley at the Southern Exposition, according to an Associated Press dispatch in the Roanoke Times. The exhibit, which will be erected in the shape in which it will appear in New York, will be on show for some days.

New Orleans Cotton Exchange Will Make Comprehensive Exhibit at Southern Exposition.

[Telegram to Manufacturers Record.]

New Orleans, La., April 25.

In order to show the advancement of the state of Louisiana, as well as the development of the entire South, the New Orleans Cotton Exchange is preparing an exhibit for the Louisiana section of the Southern Exposition at the Grand Central Palace in New York, May 11 to 23. With 55 years of constant devotion to the cotton industry, this institution, which has consecrated itself to the problems of the textile industry of the South, has entered into the spirit of the Exposition with a view of spreading before the people of the entire East a panorama of the South's accomplishments, and especially of Louisiana.

In connection with the display the members of the Cotton Exchange are entering into the project with a whole-hearted spirit, in order to make certain that Louisiana will make a fitting display, not only of its agriculture but of its horticultural, educational, commercial and industrial enterprises, and good roads, and of this industry in the South. The Exchange is endeavoring to show to the people of the North and East the scope of its paternalism over cotton production. The display will consume 200 square feet, which will be an appropriate setting for the agricultural department of Louisiana. The particular exhibit of the Cotton Exchange will occupy the center of this display, showing in that portion of the picture farthest from the spectator an actual animated view of the Cotton Exchange, which will serve as a background for the cotton fields of the South, which produces this important product.

The standard of the Cotton Exchange has always been so well established throughout the South that its functions have been well recognized, and the display that is being sent to New York is with the hope that the rest of the world will learn to know of its importance in connection with the South's most valuable product.

J. P. HENICAN,
Chairman, Southern Exposition Committee of the New Orleans Cotton Exchange.

Alabama Mining Institute Will Show State's Coal Resources.

[From the Birmingham Age-Herald.]

The Alabama Mining Institute, representing the coal industry of the state, will participate in the Southern Exposition to be held in New York shortly, and an exhibit is being prepared that is expected to be of interest, not only to those who are acquainted with the natural resources of the state but others.

The exhibit will consist of coal and coke samples from the various seams, with an idea given of the sizes produced. Analysis will be displayed, together with charts showing production and uses of Alabama coal.

Alabama is known to be in position to make a wonderful showing in coal and coke, and already the work has been started on planning for the exhibit. The coal and coke will be boxed carefully and carried to New York some days prior to the Exposition. An expert will be on hand all through the Exposition, and will not only be in readiness to explain the exhibit but will tell at stated periods the basic facts concerning the products.

Reports and estimates made by geologists as to the amount of coal visible, and also estimates of the possibilities of the district, will be accessible. Statistics are being prepared for display in the space allotted to the Alabama Mining Institute, and with an exhibition of samples of the products them-

selves it is believed that a great deal of attention can be attracted.

The Alabama Mining Institute exhibit is expected to be second to none ever shown in this direction. It is believed that the exhibit will receive comments which will reflect great credit on the state and bring about more attention than ever before given.

A GREAT EXHIBIT IN PREPARATION.

How the City of Augusta Will Carry the Mountain to Mahomet.

By THOMAS J. HAMILTON, Editor, Augusta Chronicle.

Augusta, April 25.

The Augusta Board of Commerce, the Georgia & Florida Railway and the Augusta-Aiken Railway & Electric Corporation have collaborated in the preparation of an exhibit which will challenge the admiration of every person among the thousands who will flock to the Grand Central Palace in May. The exhibit is now being built in Valdosta, Ga., under the supervision of William E. French, industrial agent of the Georgia & Florida Railway, who has worked tirelessly on the proposition for months.

A large number of splendid agricultural products that grow along the line of this progressive railroad will be shown, and it is expected that large numbers of homeseekers will be induced to settle along its lines and take advantage of the magnificent soil and superb climate and thus help to build up one of the greatest sections of the South. The exhibit car will be brought from Valdosta to Augusta, where the finishing touches will be put on. It will require an entire baggage car, loaded to the brim, so to speak, to handle the exhibit. Here, Secretary Spencer Hart of the Augusta Board of Commerce, George H. Conklin of the Augusta-Aiken Railway & Electric Corporation and James U. Jackson, prominent Augusta promoter and identified with both the Georgia & Florida Railway and the Augusta-Aiken Railway, will join Mr. French and go on to New York to set up this exhibit, where it has a most attractive space of approximately 1000 square feet on the main floor.

In the exhibit will be running roses, splendid specimens of cedars and other evergreens to adorn it; exhibits of kaolin and the products that are made from kaolin, consisting of crockery, automobile tires, paints and various other articles; vitrified brick, sewer pipe, common and face brick and hollow building tile, textile goods, cottonseed oil products, peanuts, lumber and millwork and Hollingsworth's candies.

There will be preserved fruits and vegetables, put up by the boys' and girls' clubs of Richmond county, and a chart showing the soils of Richmond county and this section. Also, great quantities of literature will be distributed. The Seaboard Air Line Railway also has come in with an exhibit, and this great railroad will undoubtedly reap great advantages from this advertising.

Augusta climate will be exploited through pictures of the Bon Air Vanderbilt Hotel and a magnificent oil painting of the new Hampton Terrace, which is being prepared under the direction of Benjamin H. Marshall of Chicago, who is the architect of the hotel and heads the great enterprise to build a \$6,000,000 resort development just across the river.

Every Augusta product, every product of this vicinity, every product raised along the lines of the Georgia & Florida Railway will be represented in this great Exposition, which will be one of the finest opportunities to sell the South to possibly several million people who know it only in the abstract that has occurred in this generation. Indeed, if the millions of people in the North will not come down and investigate us, we will carry ourselves to them. Indeed, we will, so to speak, carry the mountain to Mahomet.

Production of Coke in 1924.

Because of depression in the iron and steel industry the production of coke in 1924 showed a decline of 23 per cent in comparison with that of 1923, the largest on record, according to the Geological Survey. The production of coke in the South in 1924 was about 8,400,000 tons, or about 6 per cent less than in 1923. The decrease was much more marked in the production of beehive coke, which was barely half as great as in 1923 than in that of by-product coke, which declined but 10 per cent. In fact, more by-product coke was made in 1924 than in any year preceding except 1923.

These statistics are based upon preliminary reports from producers of by-product coke and upon statements of cars of beehive coke loaded for shipment by the railroads, from which estimates of the total production have been made. The figures for by-product coke will be revised slightly and those for beehive coke may be revised materially upon receipt of the final returns.

The year 1924 was remarkable for the high percentage of the total output obtained from by-product ovens. In 1913 by-product plants contributed but 27.5 per cent of the total; in 1924 they contributed 77.9 per cent. The beehive coke industry is thus becoming more and more an auxiliary source of supply. In 1923, a year of large demand, the beehive coke industry supplied but 34 per cent of the total.

PRODUCTION OF BY-PRODUCT AND BEEHIVE COKE IN THE UNITED STATES.

Year	Net tons produced			Per cent of total output	
	By-product	Beehive	Total	By-product	Beehive
1913	12,714,700	33,584,830	46,299,530	27.5	72.5
1915	14,072,895	27,508,255	41,581,150	33.8	66.2
1917	22,439,280	33,167,548	55,606,828	40.4	59.6
1918	25,997,580	30,480,792	56,478,372	46.0	54.0
1919	25,137,621	19,042,936	44,180,557	56.9	43.1
1920	30,833,951	20,511,092	51,345,043	60.0	40.0
1921	19,749,580	5,538,042	25,287,622	78.1	21.9
1922	28,550,545	8,573,467	37,124,012	76.9	23.1
1923	37,597,664	19,379,870	56,977,534	66.0	34.0
1924	33,995,000	9,668,000	43,663,000	77.9	22.1

Beehive Coke in 1924.

The production of beehive coke for 1924 is estimated at 9,668,000 tons, against 19,378,000 tons, the final figure for 1923. For the country as a whole the figures indicate a decrease of 50 per cent. The decrease was most marked in Pennsylvania. In the far South a slight increase is indicated.

ESTIMATED PRODUCTION OF BEEHIVE COKE, BY GROUPS OF STATES, IN 1923 AND 1924 (NET TONS).

State	1923	1924	Increase + or decrease—1924	
			Tons	Per cent
Pennsylvania and Ohio	16,588,000	7,631,000	-8,957,000	-54
West Virginia	822,000	506,000	-316,000	-38
Ala., Ky., Tenn. and Ga.	587,000	641,000	+54,000	+9
Virginia	774,000	419,000	-355,000	-46
Colo., Okla. and N. Mex.	336,000	260,000	-76,000	-23
Washington and Utah	271,000	211,000	-60,000	-22
	19,378,000	9,668,000	-9,710,000	-50

By-Product Coke in 1924.

Pennsylvania remained the leading producer of by-product as well as of beehive coke. Its output of by-product coke in 1924 was 8,533,000 tons, or more than a fourth of the total production of the country. Ohio is still easily the second largest producer. Indiana dropped from third to fourth place in 1924 and Alabama rose from fourth to third. Illinois remained in fifth place.

A new state was added to the ranks of producers of by-product coke when the plant of the Columbia Steel Corporation at Provo, Utah, came into operation. The output of Utah for the year is placed at 115,000 tons.

Five new by-product plants started production during 1924: During April the Columbia Steel Corporation at Provo, Utah, and the Consumers' Power Co., at Milwaukee, Mich., fired new batteries of ovens; during May the Diamond Alkali Co., at Painesville, Ohio, entered the list of producers; in July the Trumbull-Cliffs Furnace Co., at Warren, Ohio, began produc-

ing, and in September the Utica Gas & Electric Co. at Utica, N. Y., started its new plant. The number of ovens thus added by new plants amounted to 143. Also, about 500 new ovens were added to existing plants, the principal additions being at Clairton, Pa., and Lackawanna, N. Y. At the end of 1924 about 180 new ovens were under construction, all but 19 of which were at old plants.

PRODUCTION OF BY-PRODUCT COKE, BY STATES, IN 1923 AND 1924 (NET TONS).

State		Increase + or decrease—1924	
		Tons Per cent	
Alabama	4,385,000	4,396,000	+11,000 +*
Colorado	448,000	523,000	+75,000 +17
Illinois	3,187,000	2,340,000	-847,000 -27
Indiana	5,043,000	4,206,000	-837,000 -17
Kentucky	434,000	252,000	-182,000 -42
Maryland	862,000	821,000	-41,000 -5
Massachusetts	554,000	433,000	-121,000 -22
Michigan	1,649,000	1,771,000	+122,000 +7
Minnesota	696,000	517,000	-179,000 -26
New Jersey	898,000	857,000	-41,000 -5
New York	1,784,000	1,558,000	-226,000 -13
Ohio	6,324,000	5,692,000	-632,000 -10
Pennsylvania	9,186,000	8,533,000	-653,000 -7
Tennessee	124,000	76,000	-48,000 -39
Utah	115,000	+115,000 +*
Washington	31,000	39,000	+8,000 +26
West Virginia	941,000	997,000	+56,000 +6
Missouri, Rhode Island and Wisconsin	1,052,000	869,000	-183,000 -17
Total	37,598,000	33,995,000	-3,603,000 -9

*Less than 0.5%.

Of the capacity of the by-product ovens of the country, including certain plants idle throughout the year, an average of 74 per cent was in operation in 1924. In March, the month of greatest activity, the ratio of production to capacity was 85 per cent. At the low point for the year—July—it dropped to 59 per cent.

A 100 per cent operation, with all ovens active and all conditions favorable, the plants in existence at the end of 1924 could produce approximately 48,120,000 net tons of coke. When the ovens under construction are put into operation this capacity will be increased to about 48,990,000 tons of coke. The plants in existence have a coal-carbonizing capacity, at 100 per cent operation, of about 69,140,000 tons of coal, and this will be later increased to about 70,390,000 tons through the addition of new ovens.

In the by-product coke industry distinction should be made between those plants closely affiliated with iron and steel works and the plants operating as independent or merchant producers, or affiliated with city gas works and industries other than iron and steel.

The ratio of furnace to non-furnace production in 1924 was as 82.3 to 17.7 per cent. The relative proportions of the output contributed by the two groups depend upon the state of the market.

By-Products.

Accurate statistics of recovery of by-products from coke-oven operations in 1924 are not yet available. The following preliminary estimates are obtained by assuming that the quantity of by-products recovered during 1924 bore the same relation to the known production of coke in 1924 as in 1923:

Tar (Gallons)	401,000,000
Ammonia sulphate (equivalent of all forms) (pounds)	1,047,000,000
Gas (M cubic feet)	547,000,000
Crude light oil (Gallons)	123,000,000

57-Mile Pipe Line to Cost \$843,000.

The Empire Gas & Fuel Co. of Bartlesville, Okla., advises the MANUFACTURERS RECORD that it is building a 57-mile pipe line from Dilworth to Wichita to connect the Otstot field near Blackwell, Okla., with the Hubbard field. The cost of the line and equipment will be \$843,000 and construction is expected to be completed within 60 days. Engineering work is being handled by the company, while construction contract has been let to Connor & Son of Kansas City, Mo. Equipment contracts have not yet been awarded.

Knoxville, One of the South's Thriving Industrial Centers.

By ARTHUR L. POWERS.

Knoxville's rapid growth from a population of 38,000 in 1910 to 120,000 in 1924 and Knoxville's inspiring industrial and cultural achievements during the past 14 years can be traced to the development of its extensive mineral and other primary resources.

During this rapid growth two distinctive achievements have given the city country-wide publicity—viz., 114 per cent increase in population and the inauguration of a model municipal government. Since the 1920 census report, which gave the population as 77,818, the proportionate gain has been even more marked. City directory figures for 1924 show a population of 119,904, an increase of 42,086 in four years. As to its new form of government, one editor, in commenting on its first fiscal year's record, says "Knoxville got itself

Library at St. Paul, Minn., have exteriors of gray marble from the Knoxville quarries; the lion on the front of the New York Public Library is of Tennessee pink marble; the J. P. Morgan bank exterior is of Tennessee pink marble; J. P. Morgan's personal library is of Tennessee marble; the New York Custom-House has carved figures of Tennessee marble; the state Capitol of Ohio, the state Capitol of Tennessee and the Custom-House at Memphis contain Tennessee marble; marble from Knoxville was used in the erection of some of the Government buildings in Washington. And a large shipment recently went to Peru.

This city is the business center of the coal-mining industry of the Cumberland Plateau, comprising thousands of square miles of territory underlaid with one to six workable seams



LOOKING SOUTH ON GAY STREET FROM UNION AVENUE.

headlined on the front pages of newspapers in New York, Chicago, St. Louis, Kansas City and other cities."

Within 10 miles of Knoxville lie some 1,270,000 cubic feet of marble which is famous all over the country, having been used in the erection of some of its finest houses, banks, monuments and other buildings. One hundred carloads were used in the construction of the New York's state Capitol. The beautiful mantelpiece in the Governor's reception room at Albany was carved from Tennessee marble; the pedestal and figures above the base of the Maine Monument at 59th street and Central Park West, New York, are of pink marble from Knoxville; the St. Paul Public Library and the Hill Reference

of coal, averaging about eight feet in width. Mines within a radius of 60 miles of the city have a capacity of 40,000,000 tons annually and are now producing 20,000,000 tons annually.

The zinc industry at Mascot, 15 miles from Knoxville, is the largest east of the Mississippi River and one of the largest in the country. The ore body here has been developed for a length of 7900 feet along the strike and a distance of 1200 feet down the dip. The company has holdings of 3600 acres in this region and mines with a daily capacity of 2400 tons. The ore is largely coextensive with Knox dolomite limestone, the supply of which appears almost inexhaustible.

The mammoth plant of the Aluminum Company of America

at Alcoa, 15 miles from Knoxville, is itself a model young industrial city. The sheet mill of this plant established new high records in 1920 for similar plants in the United States and Canada. This plant also has the distinction of having less aluminum scrap than other similar plants. Bauxite ore, mined in South America and largely in Arkansas, is reduced to concentrates and shipped to Alcoa to be converted into pig, and then in the sheet mills to sheets ready for manufacturing.

Millions of tons of iron ore, as yet little developed, are located within a short distance of Knoxville. Brown ores, occurring in residual clays easily worked, have for years supplied furnaces. The largest bodies of brown hematite in the South are found in the foothills of the Great Smoky Mountains. The Tuckahoe iron-ore region, situated between the Holston and French Broad rivers, is an important ore deposit. The west end of the deposit is nine miles from the city. Four million tons of soft ore have been measured here on top of the ground.

Copper mines in the Ducktown area have produced more than 225,000,000 pounds of metallic copper since 1843. The ore here, which is easily worked, is confined to a mountain basin containing 40 square miles. The ores are of the sulphide variety; sulphuric acid is produced in large quantities as a by-product of the copper.

Lumbering is a primal industry in the mountains near the city. Here the last great area of hardwood timber left in the United States is located. Some 2,500,000 acres of this virgin timbered and cut-over land are already included in national forests, with a purchase program calling for the ultimate acquisition of title to virtually 8,000,000 acres, comprising the watersheds and the best timber-producing areas of the Southern Appalachian region. Under scientific forestry methods, which assures the fullest protection to timber—and allows lumbering, with elimination of waste, of ripe timber only—this section is destined not only to fill its own needs in timber but to furnish wood products to other sections where supplies have become almost exhausted. Over 140 species of hardwoods grow in these mountains. In fact,

the extent and species of indigenous timber is greater and more numerous than in any other part of the world, according to Asa Gray. And the timbered mountains are as beautiful scenically as the lumber itself is valuable.

With the exception of the North Carolina mountain region and the Muscle Shoals area, the Smoky Mountain area, the heart of which is about 50 miles from Knoxville, is perhaps the greatest potential water-power region in the South. Engineers' reports have determined that there is possible of development in this region about 607,000 horsepower.

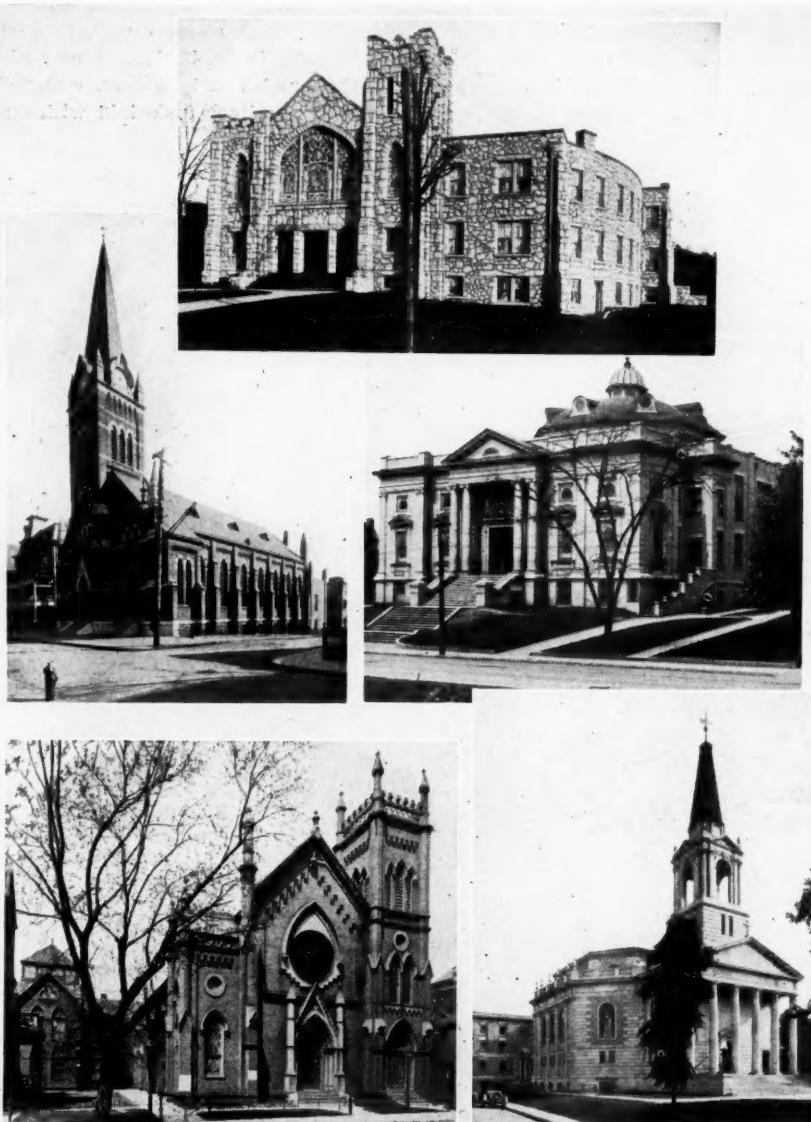
Capitalists have already recognized the possibilities for cheap power along the many mountain streams of the Smokies. A dam at Cheoah, 200 feet high and 800 feet across, furnishes power for the Aluminum Company of America's plant at Alcoa, for four towns and for nineteen other industries.

Four other dams are to be built near this one, work on which is now in the preliminary stages.

There are finished power projects at Elizabethton, Kingsport and elsewhere in the Smokies. Applications are now pending before the Federal Power Commission for permits to construct power dams at various places in east Tennessee.

Deposits of manganese, undeveloped; glass sand, undeveloped, except some that is shipped North for making glass; lead and gold, both of which are mined here; shaly limestone, used in making cement; chert, pyrite and slate are all found near Knoxville. Progress in opening up these resources is now, for the most part, in experimental stages, with prospects of some of them furnishing major industries later.

Besides the great natural resources that have aided in the growth of Knoxville, the city is favorably located agriculturally. In addition to growing its own foodstuffs, this section ships large quantities of high-quality agricultural products to dealers over the country. With an average growing season of 208 days, an average rainfall of 40 inches, and an average temperature of 58 degrees, the fertile soil of this mountain basin is peculiarly adapted to the production of maximum crops in great variety, and to the raising of herds and flocks that have become famous



A GROUP OF BEAUTIFUL CHURCHES.

not alone locally, but throughout the livestock world. This section has twice won international grand championship prizes on the exhibition of Aberdeen-Angus cattle at the great Chicago shows. Tobacco from the district carried away three-fourths of the prizes at the Lexington (Ky.)

vert poultry, hogs, cattle and sheep into foodstuffs on a large scale, for local use as well as for shipment.

Knoxville's city manager form of government, which was adopted by an overwhelming popular vote, went into effect October 1, 1923. Some of the outstanding achievements of



TWO OF KNOXVILLE'S MODERN APARTMENT BUILDINGS.

Fair in 1923, and in 1924 two-thirds. The tobacco warehouse here handled 3,300,000 pounds in 1924. Five million dollars was brought to this section in 1924 by the tobacco crop. White burley produced here topped the national market in quality, yield per acre and price. The average yield per acre in Knox county is about 1200 pounds; in the United States as a whole, 850 pounds.

Large numbers of purebred cattle are shipped for foundation stock. One shipment of two carloads from a local Jersey herd recently went to a Cuban breeder; a Jersey bull was sold to an Eastern breeder last year for \$10,000.

The poultry business in the Valley of east Tennessee is growing rapidly. The biggest hatchery and baby-chick shipping business in the South is credited to Knoxville. More than 2,000,000 day-old chicks are shipped annually, some of the larger hatcheries having a capacity of 120,000 chickens every three weeks. Some operate the entire year. East Tennessee poultry products go to Eastern markets, where they sell at a premium.

Hogs, sheep, horses and mules are raised in sufficient quantities to supply local needs. Temperate-zone fruits of every kind are produced, in large quantities in some instances; some of the large apple and peach farms ship to Northern markets in carload lots.

Many products locally grown are refined or produced into foodstuffs ready for the pantry or refrigerator before shipment. Two large locally owned packing houses, maintaining storage for eggs and butter, manufacturing cheese, etc., con-

its first fiscal year, which closed September 23, 1924, are as follows:

A saving, due to a carefully planned budget system and well-functioning organization, of \$661,369. Even with this saving the people of the city received values in the form of improvements, etc., that far outstripped any previous year's progress.

A 10 per cent refund to the taxpayers, due to economic business methods in handling the city's tax money. This tax rebate gives Knoxville the distinction of being the first city in the United States to refund taxes to its citizens.

A school survey, giving the city a basis upon which to inaugurate a school-building program.

Purchase of the Tennessee Deaf and Dumb School property at a cost of nearly \$500,000 for conversion into offices and school buildings.

Reorganization of the Knoxville General Hospital.

Organization of a modern health bureau, with a model ordinance which guarantees pure milk.

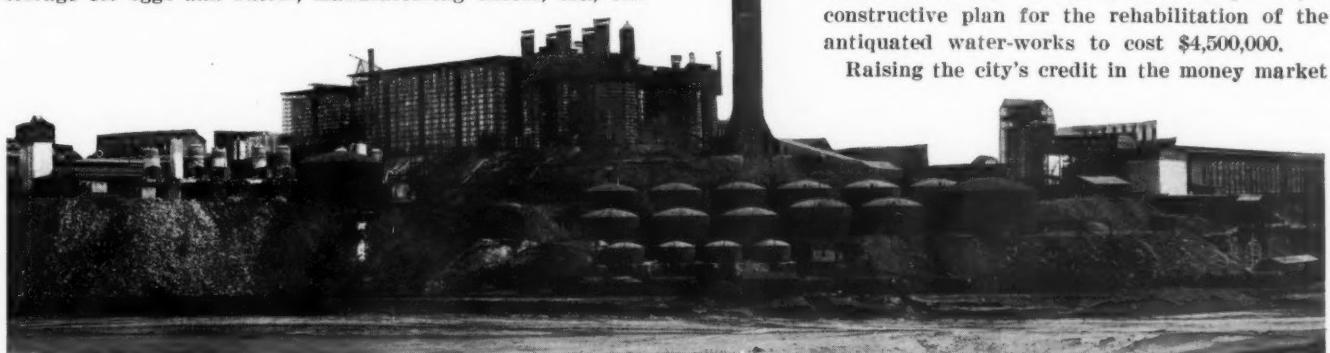
Preparation of a modern, comprehensive traffic ordinance.

Installation of a daily audit system and a continuous audit system.

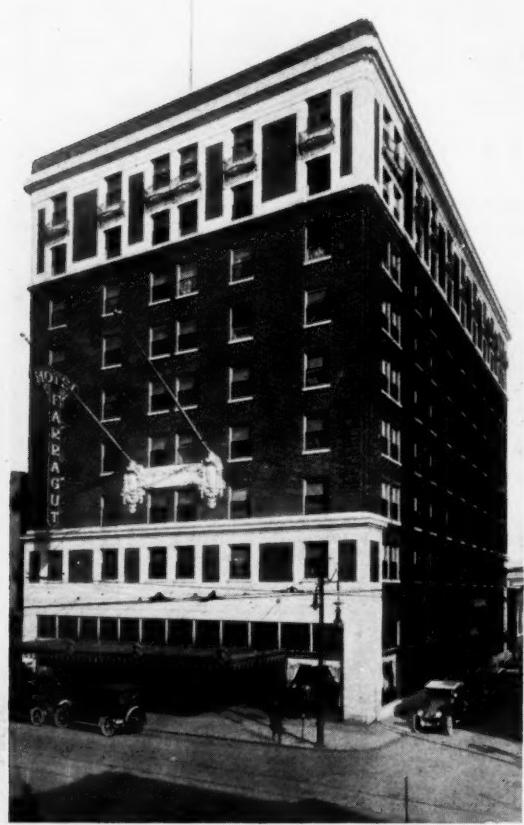
Rebuilding and oiling 22 miles of macadam streets and reconstruction of 37 miles of dirt streets.

Reorganization of the water department, with attendant savings in water, fuel and power; a constructive plan for the rehabilitation of the antiquated water-works to cost \$4,500,000.

Raising the city's credit in the money market



PARTIAL VIEW OF PLANT OF TENNESSEE COPPER COMPANY, WHICH OPERATES LARGE COPPER MINES AND ONE OF THE WORLD'S LARGEST SULPHURIC ACID PLANTS AT COPPER HILL NEAR KNOXVILLE.



REPRESENTATIVE HOTELS AND OFFICE BUILDINGS.

to the point where its representatives were able to borrow money at 2½ per cent, the lowest rate ever obtained by any municipality in the South.

Completion of 13 improvement districts and the East Fifth avenue underpass.

Installation of purchasing and disbursing systems, providing

system on Gay street; acquisition of a suitable site for a municipal park.

Besides several trust companies, Knoxville has 10 commercial banks, with total resources of nearly \$45,000,000, an increase of about \$4,000,000 over the year 1923. The total clearings for 1924 were \$160,671,527, an increase of \$1,435,336



TYPICAL OF KNOXVILLE'S SCHOOL BUILDINGS.

for the purchase of all supplies on a competitive basis and for prompt payments, allowing the city to take advantage of the usual discount.

An addition of approximately \$500,000 to the revenues of the city by enforcing payments heretofore ignored.

A completed code of all the city's ordinances, and installation of a system of records in all departments.

As evidence that the city is moving forward this next

over 1923. Savings accounts registered an increase of 5000 over the year 1923.

Postal receipts showed an increase every month during 1924 over the corresponding month of 1923. The total receipts for the year were \$578,004, or \$45,000 in excess of the 1923 figure.

Building permits in 1924 had a valuation of \$6,500,000. The 1925 construction program will eclipse all previous rec-



PARKSVILLE DAM No. 2, IN THE DUCKTOWN REGION OF THE SMOKIES.

year, plans for the completion of several projects are given as follows:

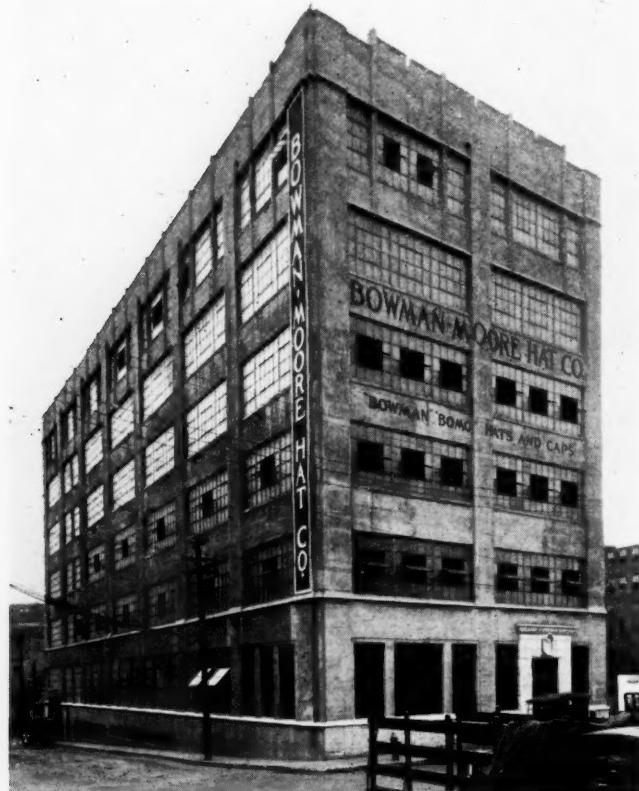
Creation of a city planning commission which shall have full power to draft a city plan for Knoxville and put that plan into effect as early as possible. The Planning Commission will designate major and minor streets, correlate existing streets with streets in new subdivisions, widen streets, etc.; zoning the entire city according to modern methods; a school-construction program that will total near \$1,500,000; construction of the Broadway Viaduct; street improvements costing \$1,000,000; installation of a police telephone and telegraph system; installation of a synchronized traffic light

ords, according to present indications. With construction already begun on a 14-story office building, to be erected at Market street and West Church avenue at a cost of, say, \$750,000, and an anticipated contract for a 15-story building at 114-118 South Gay street for the home of what is called the largest furniture store in the South, the prospects for 1925 are very favorable. A new Y. M. C. A. and a new Y. W. C. A. are now under construction. A new Catholic church costing upwards of \$200,000 will be erected this year. The Broadway Viaduct, now apparently a necessity to relieve congested traffic on Gay street, will probably be built this year.

Construction of the John Sevier yards of the Southern

Railway at Caswell, just east of the city, at a cost of over \$2,500,000, will be completed in 1925. The Southern is also building a belt line from the Coster yards to the new Caswell yards over which to route through freight and thus relieve the congested freight traffic of the city.

Knoxville is growing rapidly as a diversified manufacturing center, having at present over 200 industries, with prod-



A HAT MANUFACTURING PLANT.

ucts valued at \$53,000,000 annually. Ten years ago the annual value was \$7,346,107. With capital of \$35,575,828 invested in industries in the city proper, and more building in the city every year, the population bids fair to pass the

200,000-mark before the next Federal census. Textile plants, in which more than \$25,000,000 has been invested, constitute the leading manufacturing industry. The weekly payroll is



CUMBERLAND PLATEAU COAL MINE, TIPPLE, SCALES, ETC.
more than \$100,000. More men's winter-weight cotton-ribbed underwear is made here than in any other city in the country.

The chief manufacturing industries in the city proper are, in their relative importance, textile mills; iron, steel and brass working plants; furniture plants and lumber mills; Tennessee marble quarries and finishing mills; clothing factories and miscellaneous industries.

Knoxville is served by nine railway lines. Seventy-six passenger trains arrive and depart daily, and more than 200 carloads of freight are handled each day from the average of 4000 that pass in and through the city. Much freight also is brought down the Tennessee River from upper east Tennessee towns. A dam system is planned for power purposes and also to make the river navigable for larger boats, a survey to this end having been made recently by Government engineers.

There are within the city limits 80 miles of paved streets, 160 miles of asphalt, 235 miles of dirt streets—a total of 475 miles, excluding alleys. The proportion of dirt streets is being steadily reduced, and will be cut considerably this year under the present planned projects.

Knoxville has 16 commercial hotels. First among these is the Farragut, with 200 rooms. The Atkin, St. James, Colonial, Stratford and Southern are large hostelleries with mod-



IMMENSE PLANT OF THE AMERICAN ZINC COMPANY.

ern conveniences. Work on a 100-room addition to the Faragut is now in progress.

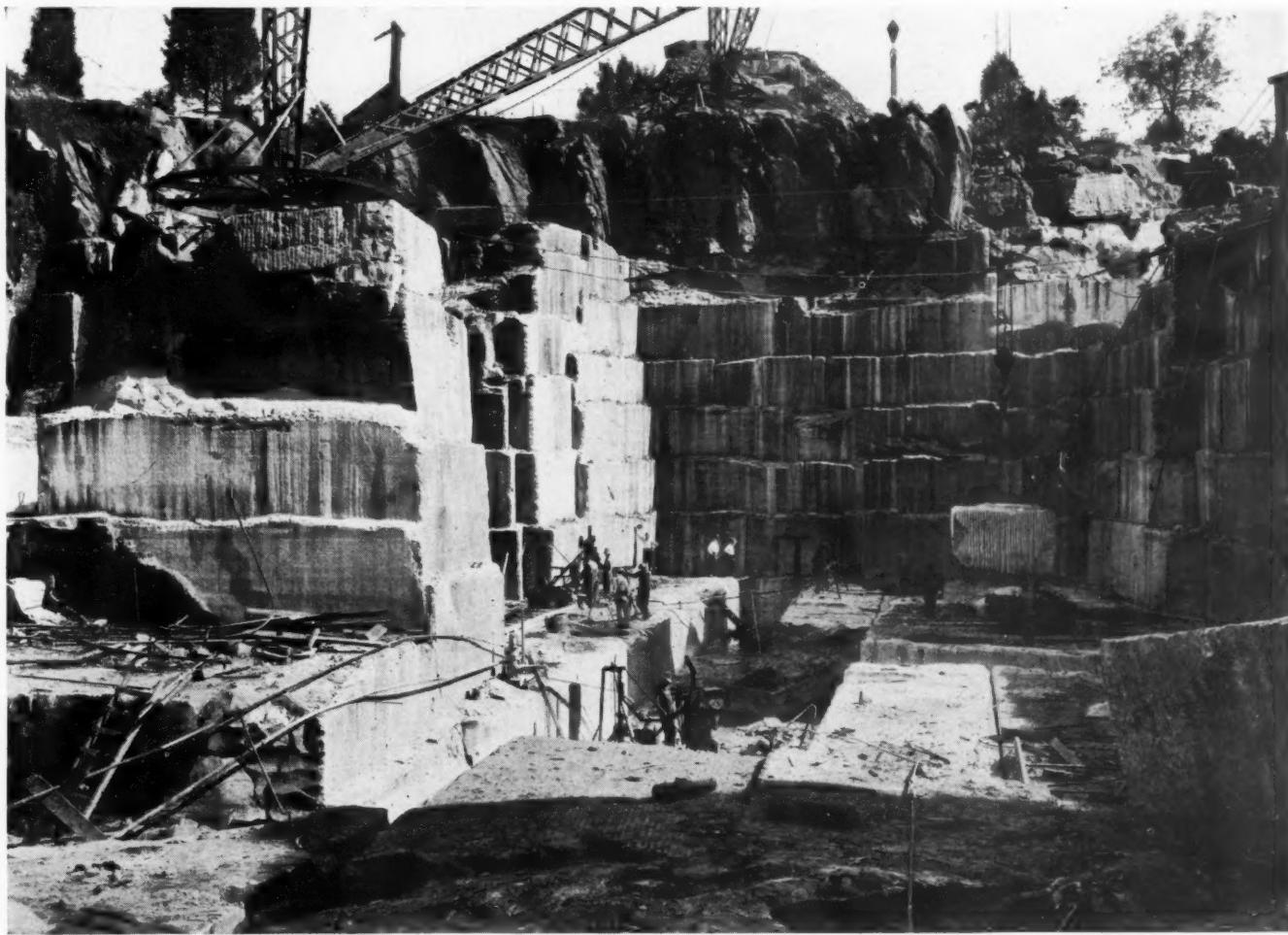
The elementary and high-school system, comprising 37 elementary schools, three junior high schools and two senior high schools, with approximately 500 teachers and supervisors, will in all probability be greatly expanded next year if the bond issue for a school-building program carries. The University of Tennessee, the capstone of the public school system of the state, is located here. This institution, along with Georgia Institute of Technology, has the highest rated engineering school in the South, and is the only school in the United States giving a course for marble setters. The Tennessee School for the Deaf and Dumb, which recently moved into modern new buildings at Island Home, is located in Knoxville, also the Eastern Hospital for the Insane. Be-

bond issue on December 17, 1924, to finance construction of a new water-works and expansion and distribution system.

The Knoxville Power & Light Co. spent about \$350,000 last year in improvements, and expects to spend a like amount this year on improvements and new equipment, according to its announced program. It is a privately owned corporation, furnishing light to residences at a minimum charge of \$1 per month and power to factories at a reasonable rate, according to amount used. It has 15 street-car lines.

A large market house, owned by the city and leased to a large number of dealers, and a curb market adjoining occupy more than an entire block, centrally located. Plans for opening a market in North Knoxville were announced recently.

East Tennessee has recently come to realize that an asset of priceless value is its scenery. "The Great Smokies are



ONE OF THE GREAT MARBLE QUARRIES FOR WHICH KNOXVILLE IS FAMOUS.

sides these, there are several business colleges, parochial schools and private institutions of learning.

Knoxville is a city of churches. There are 111 buildings for public worship in the city and suburbs, some of them among the finest church edifices in the country. The First Baptist Church building, erected at a cost of over \$500,000, was one of the large building projects finished in 1924.

The civic clubs are doing excellent work. A free clinic, the Beverly Hills Tuberculosis Sanitarium, a baby home and a free tourist camp are a few of the realities made possible by these progressive organizations.

The public park system at present comprises about 50 acres. In addition to this area, Chilhowee Park, with an area of 69 acres, is open to the public.

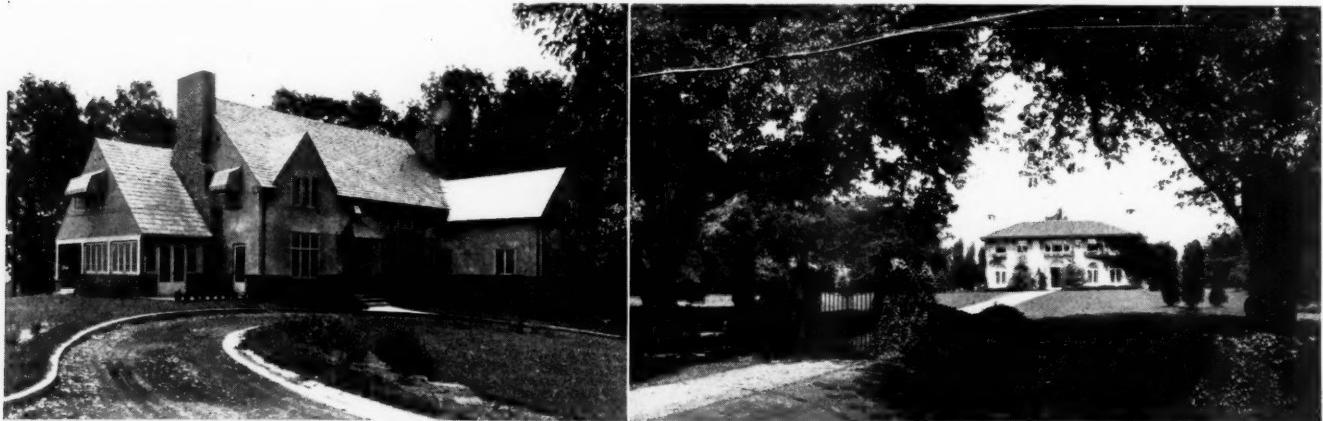
Knoxville has more than 100 miles of water mains supplied by a plant which has proven inadequate to the needs of the city. The people by a vote of 10 to 1 ratified a \$2,500,000

destined before long to add to our national gallery of scenic masterpieces its greatest Eastern picture," said Robert Sterling Yard, executive secretary of the National Parks Association in a recent issue of the National Parks bulletin. "The Smoky Mountains," says Maj. W. A. Welsh, general manager of the Palisades Interstate Park of New York and a member of the Southern Appalachian National Park Commission, "make up the finest mountain range in the Southern Appalachians, and this is the reason why we want them so much for a national park. In fact, Mount La Conte stands alone of all high mountains as being in the primeval state." Many authorities have declared recently that the Smokies outrival in natural beauty any mountain system of the world. Although in the very heart of the most populous section of the country, they stand in majestic, awe-inspiring primeval state.

Close on the heels of the national commission which came to investigate the entire Southern Appalachian range and

which, by the way, said in its final report, "of these several possible sites (for a national park) the Great Smoky Mountains easily stand first," in the very wake of their departure

from Detroit, Chicago and the great Northwest to Florida, and on the greatest transcontinental year-round highway in America, which runs from New York to California. Two



TWO BEAUTIFUL RESIDENCES IN APPROPRIATE SETTINGS.

came Governor Austin Peay of Tennessee with a committee from the legislature to appraise the large tract of land on which the Tennessee Executive took an option recently with a view of establishing a state park or purchasing the land for the Government.

Already with 30-odd summer resorts in the mountains near Knoxville, scattered here and there in areas famous for mineral springs and scenic retreats, the region has become a mecca for tourists and vacationists. Next season will see one of the finest roads of the state winding up a long river valley between two sawtooth ranges of the Smokies into the very heart of this wild section.

Knoxville is a pivot of tourist travel, on a direct air line

national highways, the Lee and the Dixie, one from the East and one from the North and Northwest, join in Knoxville, proceeding 15 miles due west upon the same roadbed. With a good road into the Smokies now a certainty, much of the tourist trade will detour via the scenic route through the grandest mountains of the East.

Although Knoxville in a decade has developed in industry, trade, finance and education equal to what at one time might have been considered a lifetime of advancement, its progress has not been a mushroom growth, but steady and substantial. With an auspicious outlook upon the future, it is not unreasonable to prophesy that other records will be broken in the next 10 years.



VIEW OF THE BUSINESS DISTRICT OF KNOXVILLE FROM THE AIR.

Some Possibilities of the World Advertising Convention at Houston.

Inspection of the industrial, agricultural and general business conditions of the South will be made at close range by advertising agents of all the world through the convention of the Associated Advertising Clubs of the World at Houston, May 9 to 14, inclusive. Delegates will be present from almost all the other continents on the earth, as well as from the United States and Canada.

While the convention will be the annual business assemblage, it also will partake of the nature of a visit of investigation, in which the delegates will be introduced to the South and will see from personal observation the great achievements and opportunities which lie open to business of every kind. By many well-informed persons it is felt that the South never has been adequately advertised and that now the time is opportune to broadcast its potentialities in an endless number of lines. All this the delegates to the convention propose to investigate, with the probability that many will direct their attention to the South hereafter, as a field of profitable possibilities.

At the same time many of the prospective visitors have hope that many industrial advertisers in the South will attend the convention, to explain business conditions to the advertising agents and to learn, in turn, the best methods for obtaining profitable results through wide advertising.

Besides the main convention of the Associated Advertising Clubs of the World, the International Trade and Pan-American Conference will be in session on May 12, 13 and 14, and the Associated Business Papers, Inc., and the National Industrial Advertisers' Association will hold a joint meeting on May 12. Both the Associated Business Papers and the National Industrial Advertisers feel that reciprocal benefit would accrue through conferences between their members and representative Southern business men, and they hope to see many of these business men at the various advertising sessions on the program.

Also, with this opportunity at hand, it is felt by many that various Southern states and cities might do well to invite groups of advertising delegates to visit their sections, rather than to confine their trip merely to Houston, to Galveston, or to Texas in general, or one or two adjacent states. These visitors, it is felt, should be shown as much as possible of the South, to gather some idea of its great wealth in mineral, agricultural, water-power and other natural resources and of its many factories in diversified industries, or its financial and commercial institutions and of its great winter playgrounds.

Such an introduction of the advertising men to the South would be supplemented, it is felt, by the Southern Exposition in New York, and the importance of that exhibit to the entire country would be emphasized in the minds of the advertising agencies. The Southern Exposition will be held in the Grand Central Palace, May 11 to 23, giving the advertising men opportunity to study it the more intelligently after their own visit to the South.

In view of the trend of business to the South, the people of St. Petersburg, Fla., feel that the next convention of the Associated Advertising Clubs of the World might well be held in that section, and an effort will be made to have St. Petersburg selected as the convention city for 1926. In a statement addressed to the Houston convention, the people of St. Petersburg describe that city as "The City That Advertising Built," and it "cordially invites the Associated Advertising Clubs of the World to come to a sunshine convention" there next year.

The opening session of the Houston convention, May 9, will be marked by addresses by United States Senator Morris

Sheppard, Governor Miriam A. Ferguson, Mayor O. F. Holcombe of Houston, Chairman Amon G. Carter of the Tenth district and William S. Patton, president of the Houston Advertising Association, and response by President Lou E. Holland of the Associated Advertising Clubs of the World. Sunday will be devoted to special services in the Houston churches, in many of which "Advertising as a Means to World Progress" will be the subject for sermons.

The program for the rest of the week is of a practical nature, with many entertainments and excursions for the relaxation and pleasure of the visitors.

Movement to Upbuild Georgia.

Atlanta, April 27—[Special.]—Georgia bankers, through the formation of an organization known as Greater Georgia, Inc., are planning to raise \$150,000 in the next three years for use of organizations working for the upbuilding of the state. Every organization in Georgia working for the agricultural or industrial development of the state is eligible to membership and to a share of the money being raised. A state organization has been formed, with W. T. Anderson, editor of the Macon Telegraph, as president, and C. O. Carpenter, prominent Macon banker, as secretary, and an executive committee of Mr. Anderson, ex officio; Hugh Westberry, president of the Georgia Association; B. L. Bugg, president of the Atlanta, Birmingham & Atlantic Railroad; Snowden McGaughey, president of the Atlanta Clearing-House Association; J. T. Hollomon, president of the Southern Mortgage Co. of Rome, Ga., and J. M. Graham, president of the Rome Chamber of Commerce. Also, there is a directing committee of 33 leading citizens.

"In the past," says J. Sherrard Kennedy, vice-president of the Atlanta and Lowry National Bank and one of the leaders in the new movement, "the development of Georgia has been hampered by two things—lack of funds and lack of co-ordination. The State College of Agriculture, the state Department of Agriculture, the Georgia Association, the Atlanta, Birmingham & Atlantic Railroad and half a dozen organizations were all at work along the same lines, oftentimes duplicating each other's efforts and for the most part without sufficient funds properly to carry on the work at hand. The bankers are willing to help raise \$50,000 a year for a period of three years; but, the question was: To which of the many organizations should the money be turned over? The answer was Greater Georgia, Inc. There will be a state organization, consisting of the leaders of all the organizations working for the betterment of the state, and there will be no duplication. There will be a similar organization in each county, consisting of the county leaders of each organization at work there, to map out their work in the same way, thus completely eliminating duplicated work by the various organizations.

"The different organizations will be well supplied with funds to carry on their work through the \$150,000 to be raised; if this is not enough, and the work proves successful, a higher figure may be set for the next three-year period. The state must be properly developed, and we believe this is the only method by which it can be properly developed."

Bids on New \$1,000,000 Read Hotel.

Chattanooga, Tenn.—Bids will be opened on May 12 for the new \$1,000,000 hotel to be erected here by the Read House Co., of which Samuel R. Read is president. The building will be 140 by 185 feet, 10 stories in the main portion, of reinforced concrete construction, with exterior walls of red variegated brick trimmed in terra cotta or stone. Holabird & Roche of Chicago are the architects.

Contract for \$1,000,000 Gold Dust Plant.

Contract has been awarded by the Gold Dust Corporation of New York to the Consolidated Engineering Co. of Baltimore for the erection of its proposed \$1,000,000 plant in Baltimore. Plans prepared by the New York office of Lockwood, Greene & Co. call for a five-story building, 220 by 100 feet, for manufacturing purposes. It will be of reinforced concrete, with brick walls and a special tower on the roof. There will also be a four-story kettle house, 99.6 by 74.6 feet, of steel-frame construction with brick walls; glycerine building, 77.8 by 76.4, 10 stories and mezzanine floor, of steel and brick construction, and a boiler house and engine room, 80 by 78 feet, of steel, brick and concrete. All structures will be equipped with steel sash.

Two 500-horsepower boilers will be installed, in addition to refrigerating machinery, coal and ash handling machinery and other equipment. Yard improvements will include railroad sidings, gravel roads, steel storage tanks, stone drains and sanitary sewers, fences, sprinklers and yard fire protection.

The plant will manufacture Gold Dust washing and scouring powders, Fairy soap, etc.

\$1,000,000 Ballroom for Miami.

Miami, Fla.—Details have been announced by L. H. Conrad, general manager of the L. T. Cooper interests, for the erection of a \$1,000,000 dance hall here to be known as the Cinderella Ballroom. The structure will cover an area of approximately three-fourths of an acre and will contain a ballroom 180 by 90 feet. The structure will be of Spanish and Italian Renaissance architecture, with a garden and open-air lounge on the roof. There will be 10 storerooms fronting on 2d street. John N. Bullen of Miami is the architect and John T. Brennan of Cleveland, Ohio, contractor. The ballroom will be conducted by the Smith & Woodland Amusement Enterprises of Miami and Cleveland.

May Build \$500,000 Addition.

According to a recent announcement ascribed to Col. J. W. Apperson, president and managing director of the Buena Vista Hotel Co., Biloxi, Miss., a five-story addition to cost \$500,000 will be erected for the hotel. Carl E. Matthes of Biloxi, architect for the proposed addition, advises the MANUFACTURERS RECORD that the extent of the work has not been determined.

It is stated that the addition will be of reinforced concrete and will provide 72 rooms, in addition to a convention hall and ballroom.

For \$10,000,000 Development at Silver Springs.

Ocala, Fla.—According to an announcement here, interests represented by Charles K. Fankhauser of New York and E. B. Overshiner of Chicago have purchased property near Silver Springs from Ray & Davidson of this city for a development which may entail an expenditure of \$10,000,000. Plans are said to include the erection of a fireproof hotel, clubhouse, construction of 18-hole golf course and other facilities.

Contracts on Greensboro's \$1,350,000 Hotel.

Greensboro, N. C.—General contract has been awarded to the Barras Construction Corporation, New York, for the new \$1,350,000 hotel to be erected in this city by C. O. Yoakum, also of New York. The structure will be 134 by 185 feet, eight stories, of reinforced concrete construction. Sharpe, Bready & Peterkin of New York are the architects.

\$400,000 Fisher Home at Miami Beach.

Miami Beach, Fla.—The new bay-front home to be erected at Miami Beach by Carl G. Fisher is estimated to cost more than \$400,000. Plans for the residence, to be located north of Surprise waterway, are being prepared by August Geiger and construction work will be handled by John B. Orr, both of Miami. The structure will represent an Italian villa of Renaissance architecture, of reinforced concrete, tile and stucco construction, with teakwood floors. Grounds will be landscaped and two large tennis courts and a swimming pool provided. Construction is expected to be completed by January.

Florida Industrial Contest With \$20,000 in Prizes.

The Florida Society of America, Hollywood, Fla., has announced that it will pay \$20,000 in cash prizes for the name of a product best suited for manufacture in Florida. Information concerning this Florida industrial contest will be mailed free to anyone wishing to take part in it if they will send to the Society one of the coupons published in the MANUFACTURERS RECORD of April 23, having filled in the coupon with name and address. The information is given in a booklet. Three extra prizes will be awarded for suggestions received by June 1.

To Purchase Water-works for \$6,500,000.

San Antonio, Texas.—By a vote of four to one, the City Commission has been authorized to purchase the water-works system of the San Antonio Water Supply Co. for \$6,500,000 and to issue \$7,000,000 of securities against the property to meet the purchase price and provide a fund of \$500,000 for improvements and extensions. The system will be operated by a water commission consisting of five members, the mayor to be an ex-officio member.

\$500,000 Development at Haines City.

Haines City, Fla.—Chicago capitalists, represented in this city by C. L. Harrison, have purchased 500 acres of land here on which they plan to develop a \$500,000 subdivision. Improvements will consist of a \$50,000 Spanish type clubhouse, a number of residences, construction of golf course and seven miles of streets. All building construction will be handled by the Joseph Jay Miller Co. of Chicago. Styles & Van Kleek of Boston are the landscape architects.

Water-works and Sewer Improvements.

V. V. Long & Co., engineers for water-works and sewer improvements for the city of Wewoka, Okla., advise the MANUFACTURERS RECORD that contracts will be awarded on May 7. The work will consist of five miles of 4-inch and 6-inch water mains and six miles of 8 to 15-inch sewer lines, sewage disposal plant and a small dam. The improvements are estimated to cost \$200,000.

\$1,000,000 Hotel for Berkeley Springs.

Berkeley Springs, W. Va.—Plans are being prepared by Milburn, Heister & Co., Washington, D. C., for a new \$1,000,000 hotel to be erected here by the Berkeley Springs Hotel Co., of which F. C. Jackson of Washington is president. The building will be four stories and basement, of fireproof construction, with concrete foundations and red tile roof.

Forsyth County Commissioners, Winston-Salem, N. C., are having plans prepared for the enlargement and improvement of the county courthouse to cost \$250,000.

Building Up Georgia by Building Up Men.

AN INTERVIEW WITH CATOR WOOLFORD ON HIS COLLEGE PLACEMENT ACTIVITIES—A WORK WHICH SHOULD BE FOLLOWED ALL OVER THE SOUTH

By WALTER G. COOPER, Atlanta.

"Educate and train the men and women and find work for them at home, and they will build up the state and develop its resources."

This is the keynote of Cator Woolford's campaign of constructive work in Georgia on the human side of business, a work which bids fair to spread throughout the South.

One of the outstanding developments in educational progress this year is the organized and successful movement to find employment in their own state for the graduates of Georgia colleges. As a result of this first season's work by the Georgia College Placement Office, organized, financed and directed by Mr. Woolford of Atlanta, 60 graduates were placed in suitable positions and 58 have made good and remain at work. The other two found something they liked better.

When this work started the MANUFACTURERS RECORD showed its great value to Georgia and suggested the adoption of a similar plan in the other Southern states. This has led to wide discussion and has showered Mr. Woolford with letters of inquiry from leaders in other states who wish to start the work there.

There is a personal factor of unusual interest in this movement. The saying, "Every successful institution is the lengthened shadow of a man," is true in this case. Mr. Woolford is the builder and director of a great business enterprise, unique at its inception and still considered by some persons the greatest of its kind in the world, with a staff of 1000 men and women and branch offices in every state of the Union, backed by the work of 25,000 part-time men located in all parts of the country. His business of insurance inspection is one of the great examples of organized service in the United States and is considered notable for its personnel. The unusual thing about Mr. Woolford is that he can direct such a business and find time to give personal attention to such outside, altruistic enterprises as the Personnel Association of Atlanta, the Atlanta School Employment Service and the Georgia College Placement Office, all of which he organized and financed. His plan in starting such institutions is to pay the cost out of his own pocket until the enterprise demonstrates its usefulness so clearly that others will help to sustain it.

Mr. Woolford explained the origin and workings of the Georgia College Placement Office in the following interview:

"The idea grew out of the work we are doing in Atlanta in connection with the public schools through the School Employment Service. This is an employment bureau, organized for the purpose of placing the graduates from the schools and the juniors who drop out from time to time. We have been so successful in that work that I conceived the idea of extending it to take in our colleges and place those of their graduates who wished to go into business. I saw that the bureau could be of service to the boys who want positions, to the business men who are looking for college people and to the South which needs its college people to develop its wonderful resources."

"What has been the result of the first year's work?" he was asked, and answered:

"The year is not quite completed, as we began operating about the close of the school year in 1924. We have been greatly pleased with the results, as we placed 60 graduates, boys and girls, direct, in good positions, and have stimulated the idea of taking college people, so that many others have been placed through our efforts. The thing that pleases me

most is that of the 60 placements we have made, 58 have been good; the boys and girls placed have been pleased with their positions and feel that they fit the organizations where placed, and the employers have been satisfied with them. Two of the boys placed changed because they thought there were better opportunities in other organizations. There was no particular fault with the placements; the boys simply changed their minds."

"Do you think the plan could be extended to other states?" he was asked.

"We are having many inquiries from other states about the work," said he, and a number of colleges in the South asked that they be included in our present organization. While East, recently, I had the opportunity to meet some of the people who are interested in employment, and I found that there is a demand for such organizations throughout the country."

"How do you get the boys in shape for positions?" was the next query.

"If the boy desires a position," he explained, "he fills out an application blank which tells his age, where he was born and what he would like to do. The same for the girls. This is turned over to our representatives in the school, who get the school record and forward it to the Placement Office. Arrangements are made for the applicants to be interviewed, and the interviewer makes notations on the back of the application blank. The boy is then ready to be classified, listed and placed."

"How does the employer get a college man or woman?" was propounded.

"After the graduates are classified and listed," he replied, "we get out a list describing each applicant, omitting the name and giving each a number. The employer can pick out from the list the boy or girl whom he thinks suited to his organization. The application papers are then taken to him and he looks them over. If he likes the boy or girl, he or she is sent over for an interview. It is then up to the employer and the student to make the arrangements as to employment. The blank becomes the property of the firm who employs the boy or girl."

"Do the employers like the idea?"

"They are delighted with the idea of a centralized employment office where they can secure the right kind of boy or girl they need in their organizations. In the organization of which I am president we employ about 200 college men a year throughout the country. In many places, we find it difficult to get in touch with a satisfactory college man, even though there are a number of college men graduating from a particular school that we could use, due to the fact that they have no centralized employment office and it is difficult to find the man we need."

"What is the Placement Office doing to interest the boys and girls in business?"

"There is not very much placement work going on during the fall and winter, and we are putting in our time trying to help the colleges interest the boys in going into business. We have already sent out a corps of speakers to the various schools to 'sell' the students the value of education in business—that is, we are trying to make them see that what they are studying will be of help to them when they go into business. Later we are going to send out business men to speak on the various lines in which they are engaged, such

as real estate, banking, insurance, etc. This is done with a view to interesting the young men in particular occupations—that is, broadening the scope of the things the boys and girls can do in business."

"Has the demand for college boys and girls increased in recent years?"

"The demand for college people is increasing each year, and it will not be long before all the good material will be spoken for before the students graduate. Many organizations are building right from the new material and promoting their men in the organization, instead of going out and employing high-salaried men from other organizations. College boys are being taught to do things that they thought it required men of years to do, and they are getting away with it in good shape."

"What kind of a college man do the business men prefer?"

"They want a man who has stood well in his classes, not necessarily at the top, and who has taken a part in college activities. In other words, a good all-around man who is adaptable and will fit in their business and be able to develop in their organization."

"How will the Georgia College Placement Office help the South?"

"By keeping the boys in the South and placing them with good organizations, or starting them in business for themselves, they will naturally build up the South. We have the resources and the labor and only need the brains and capital. The college men will furnish the brains, with a little training, and will be able to secure the capital. These college men staying in the South will develop new industries, towns will grow rapidly, and a market will be furnished for farm products right here at home. Statistics show that 90 per cent of the people in Georgia were born in Georgia. This means that we have got to pull ourselves up by our own boot straps, and the best way to do this is to encourage our young men to locate in the South and help develop their native states."

The comprehensiveness and practical nature of Mr. Woolford's plans are illustrated by some of his measures, one being the publication of a series of short sketches of business men, like Fuller E. Callaway of Lagrange, Ga., who have done important constructive work without any early advantages. After publication these sketches will be printed in pamphlet form and distributed among college students for the purpose of inspiring them with the earnest purpose to do something worth while.

Another series of pamphlets, to be distributed in the same way, will contain articles by successful business men, pointing out the opportunities for college men in their respective lines of work.

An incidental result of Mr. Woolford's work is to bring the colleges into closer contact with the business world. This will have the twofold effect of increasing the interest of business men in the work of colleges and giving the college faculties a clearer conception of the service they can render to business and industry in adapting the education of the young people to the needs of the time.

New Residential Development for Jacksonville.

Jacksonville, Fla.—A tract of 235 acres of land located on both sides of Atlantic boulevard, and within 900 feet of Jacksonville's ocean front, has been purchased by Chalmers D. Horne and associates of this city and G. C. Blower of New York for a residential development. Application has been made for a charter for the developing corporation to be known as Saltair, Inc. Plans call for landscaping the tract along Atlantic boulevard, constructing lake on the Atlantic Beach side, building roads, sidewalks and parks, and installing other facilities.

North Carolina Manufactures, 1923.

The Department of Commerce announces that, according to a summarization of the data collected at the biennial census of manufactures, 1923, the value of products (at factory prices) of manufacturing establishments in North Carolina aggregated \$951,911,000. This aggregate represents an increase of 43.1 per cent, as compared with \$665,118,000 in 1921. These figures relate to manufacturing establishments whose output during the year was valued at \$5000 or more. The elimination of data for the smaller establishments has only a slight effect on the totals.

The average number of wage-earners employed during 1923, 173,687, exceeded by 27.9 per cent the number reported for 1921, 135,833; and the total wage payments in 1923, \$127,544,000, show an increase of 35.3 per cent, as compared with \$94,235,000 in 1921. In the "cotton goods" industry the average number of wage-earners employed during the census year increased from 66,316 in 1921 to 81,041 in 1923, or 22.2 per cent, and the value of products increased from \$190,990,000 in 1921 to \$326,572,000 in 1923, or 71 per cent.

The following table presents statistics for fourteen selected manufacturing industries in North Carolina, each of which employed an average of 1000 or more wage-earners during 1923, the paper and wood-pulp industry not being shown. The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

SUMMARY FOR MANUFACTURING INDUSTRIES IN NORTH CAROLINA, 1923 AND 1921.

(Industries listed according to average number of wage-earners employed during 1923.)

	Number of Wage earners Cen- sus lish- year ments number)	Wages	Value of products
Total—All industries	2,670 173,687	\$127,544,821	\$951,910,599
	1921 2,602 135,833	94,234,837	665,117,738
Cotton goods	1923 351 81,041	54,842,992	326,572,014
	1921 343 66,316	41,398,350	190,990,590
Lumber and timber products, not else- classified	1923 587 19,960	13,329,594	38,050,529
	1921 550 14,617	8,815,488	24,393,839
Knit goods	1923 109 12,351	6,953,743	36,759,413
	1921 109 8,650	4,665,271	23,448,001
Tobacco, cigars and cigarettes	1923 17 11,531	9,473,901	264,218,190
	1921 14 10,946	8,216,309	215,535,751
Furniture, including show cases*	1923 113 10,624	8,598,320	40,072,577
	1921 98 6,780	5,103,089	23,339,657
Car and general con- struction and re- pairs, steam-railroad repair shops	1923 15 5,104	6,605,846	15,265,811
	1921 18 3,702	5,210,577	9,406,159
Lumber, planing-mill products, not made in planing mills con- nected with sawmills	1923 125 2,985	2,498,419	16,192,460
	1921 131 2,586	2,105,149	11,378,907
Tobacco, chewing and smoking, and snuff	1923 9 2,428	1,339,000	31,567,820
	1921 10 2,202	1,287,354	37,760,144
Clay products (other than pottery) and non-clay refractories	1923 67 1,892	1,323,334	3,980,708
	1921 59 1,157	713,317	2,230,995
Fertilizers	1923 64 1,721	1,250,473	17,431,084
	1921 57 1,525	1,236,821	14,669,979
Oil, cake and meal, cottonseed	1923 52 1,226	757,123	17,980,296
	1921 56 1,454	990,405	17,748,064
Leather, tanned, cur- ried and finished	1923 10 1,223	907,293	14,358,670
	1921 10 1,088	934,550	9,098,497
Foundry and machine- shop products, not elsewhere classified	1923 61 1,164	1,321,112	4,488,627
	1921 67 882	1,001,310	2,953,909
Boxes, wooden packing, except cigar boxes	1923 26 1,162	794,201	4,569,480
	1921 19 604	324,531	2,022,909
All other industries	1923 1,064 19,275	17,548,470	120,402,920
	1921 1,061 13,324	12,232,316	80,141,337

*Figures for 1921 not strictly comparable with those for 1923 because of change in classification.

The Board of Education of Big Creek District, E. M. Cooley, secretary, will receive bids until May 30 for the purchase of \$300,000 of school bonds to bear an interest rate of 5½ per cent.

Broader Campaign for Research Work in Agriculture.

Agricultural research on a bigger scale than ever before, with greater emphasis on economic problems and with closer co-operation among Federal, state and other research agencies, is provided for in the recently enacted Purnell Act appropriating increased funds for agricultural experiment stations in the 48 states. Secretary of Agriculture William M. Jardine declared in an address made last week before agricultural college and experiment station representatives at St. Louis. The conference was called to consider problems created by the passage of the Purnell Act, which provides an additional \$20,000 for each experiment station in the next fiscal year, and increases the amount by \$10,000 annually until \$60,000 is reached in 1930. When these annual increments are completed, the new appropriations will aggregate \$2,880,000 a year.

Secretary Jardine pointed out that agricultural problems in recent years have multiplied faster than the means of studying them. The Purnell Act, he said, is intended to meet this difficulty. He added that it will facilitate a pooling of research resources and will tend to avoid wasteful duplication of effort. He further declared the time is opportune for taking stock of research work already in progress so that useless enterprises can be eliminated and all studies effectively co-ordinated. The Secretary said, in part:

"The Purnell Act affords a great opportunity for service. It is the strongest testimony of confidence in the power of organized agricultural research that this or any other Government has ever expressed. It will mark a new epoch in the history of the experiment stations, for on maturity it will treble the Federal appropriations for their support, and it broadens the authorization for investigation in fields that are now looked upon as of primary importance.

"The Purnell Act will arouse large expectations. In accepting the new funds the stations assume a responsibility far in excess of that previously carried. Through its administrative relations to the measure, the Department of Agriculture will share with the stations both the opportunity and the responsibility which it brings. The act is designed to give further aid to a going concern. It is 'for the more complete endowment and maintenance of agricultural experiment stations now established.' It recognizes, therefore, that each state already has an experiment station, with its organization, its administrative machinery and, in large measure, the buildings, lands and other basic facilities for research. The new law attempts to build on top of what already exists. Its primary purpose is to develop further investigation and experiment. So it is hoped that overhead expenses will be cut to the lowest feasible limit.

"Furthermore, it is believed that the fund should be used primarily for investigations of substantial character. The act is a fact-finding, fact-interpreting measure. Every effort should be made to avoid a type of superficial investigation which now has been outgrown. Problems of fundamental importance should be attacked by adequate methods and with full knowledge of other investigations in order to avoid wasteful duplication. The new fund is not for the exploitation of what is known or for speculation based on personal opinion or inadequate data, but it is for sound investigation in the best sense, calling for men and women with breadth and penetration of vision and of demonstrated ability in the research field.

"The Purnell Act recognizes in a substantial way the importance of finding solutions for the economic and social problems of the farm. With the growing complexity of modern

economic life—the increasing division of labor, the concentration of large industrial populations in centers far removed from sources of food supply and the development of a complex system of distribution—the economic and social problems of agriculture have multiplied. With these problems the experiment stations have not been adequately prepared to cope. Before the war the major efforts of the stations centered about production programs, which have yielded notable results both in increasing the quantity and quality of products produced and in lowering the cost of production. During the war production programs received even greater emphasis than before. Other phases of the industry were all but forgotten.

"Since the beginning of the depression the demand for help has been insistent and the experiment stations have been doing their utmost to serve. Hampered as they have been by stationary or decreasing revenues, on the one hand, and rapidly mounting operating costs, on the other, they have not been able adequately to meet the demands that have been made upon them. The Purnell Act is the Government's answer to this appeal for help. It is believed the framers of the law intended that, for the present at least, large emphasis should be placed on the economic and social problems of agriculture. It must not be forgotten, however, that production problems are, after all, fundamental. Every possible reduction in the cost of production, every handicap to production removed or controlled, every improvement in the production of a variety or a breed, is a permanent contribution, not only to agriculture but to national progress and development as well.

"In research we should always keep before us certain large objectives. Above all we should strive to help farmers establish a profitable and stable agriculture which will enable them to maintain suitable standards of living and build a rich and satisfying country life. At the same time we must have an agricultural industry which will adequately minister to the needs of the nation now and in years to come. Though surpluses in recent years have unduly depressed prices, the day is not so very far distant when we shall have the problem of providing larger food supplies at prices that will be reasonable to the consumer and that will also yield the producer a fair return for his capital and labor. Our aim should be to develop a well-rounded and efficient type of agriculture in which waste is eliminated and the agricultural resources of the nation conserved for the use of generations yet to come. In our programs of work we must keep an eye not only to the present but also to the future. Ability to direct adjustments to current conditions is of vital importance, but a knowledge of long-time trends and economic cycles will be no less essential in charting a safe course for agriculture.

"In the field of marketing there are many questions to answer. What are the normal requirements of present markets for our products? Can these markets be widened? Can we stimulate consumption and develop new markets? Do we have adequate statistical information as to production, movement, consumption and prices of various commodities? In the transportation of farm products are we using the most economic methods? Will improved highways and new methods of transportation open up new markets? Do present transportation charges discriminate against producers of certain regions? Should readjustments in farming methods be made to meet changes in transportation costs? Does cooperative marketing afford a solution for current marketing problems?

"No less fundamental are the production problems of the

farmer. What systems of farm management have farmers worked out in response to natural and economic conditions in different areas? Adequate consideration also should be given to another group of problems which center about economic institutions and general economic conditions that underlie agricultural development.

"This legislation for the first time gives ample authority for carrying on investigation in home economics. The problems of the home include some of the most vital factors in the development of a permanent and satisfactory rural life. If farm management studies have contributed to economy and efficiency in the farm operation, similar studies in home management should give equal returns in lightening the burdens of the farm woman and give added opportunity for the care and training of children. Money invested in studying these problems may not yield as immediate returns in the farm income as studies on the feeding of pigs, but may easily mean immensely more in the development of a sound and enduring agricultural civilization on which to found a prosperous and progressive nation.

"Some agricultural problems are common to all farmers and all states, while other problems are more or less peculiar to certain states and regions. In formulating programs of research it is of the utmost importance that a broad, national viewpoint of the industry as a whole be taken. Problems within every state should be viewed in their relation to the state as a whole, and to regional, national and world conditions.

"It will be advantageous to conduct many projects on a commodity or on an enterprise basis. Specific and reliable information should be obtained in regard to the factors which make for failure or success in the production of various commodities or in various types of farming. One thing for which the experiment stations and the department have often been criticised is their tendency to attempt too many diverse studies at one time. It will be well if we can say that the funds available through the first appropriation were not spread out over too many undertakings.

"Co-operation is good for research people as well as for farmers. Waste and needless duplication is just as reprehensible in research as it is in the handling of farm products, and the Department of Agriculture and the experiment stations should set farmers an example in the elimination of wasteful methods. It is a reasonable expectation that the Purnell Act will lead to a considerable enlargement of the co-operative relations between stations and with the various bureaus of the department.

"The time is opportune for taking stock of our present work, both in the Department of Agriculture and in the stations. Useless projects should be weeded out. Wasteful duplication should be stopped. The work in some lines of research may be broadened, perhaps, or better co-ordinated with other work. The purely scientific work can and should be better correlated with the economic work. Close scrutiny of its entire range of work by each of the stations, and closer co-operative relations between stations, will be of far more importance to the future development of agriculture than any strict supervision which the Department of Agriculture might exercise.

"There is also a splendid opportunity for closer co-operation between the research and extension forces. Some of the most effective research work has been inspired through contact with the extension work. On the other hand, the extension service cannot function efficiently without tested facts that strike at the heart of the farm problem. Many agronomic questions, for example, have arisen in the past, particularly in the West, because of the great variation in geographic conditions. The results on experiment station farms have often had only limited application. This is true

because very little has been done to assemble and organize economic facts and relate them to the crop and livestock experimentation done at the stations.

"It perhaps ought to be noted that the Purnell Act is not to relieve the states of their obligations. It is not designed to transfer these obligations to the Federal Government, but to enable the latter to join more liberally with the states in the maintenance of investigation at these institutions.

"Although the maintenance of experiment stations is not a 50-50 proposition, in effect it has always been a co-operative enterprise between the Federal Government and the states. The Hatch Act, which supplied the initiative for the national system, did not undertake to carry the whole burden. It was designed, as the opening sentence stated, 'to aid' in attaining the objects sought in the establishment of these institutions. In advocating this latest legislation much emphasis was laid on what the states are now doing, and on the fact that it was not designed to relieve them but rather to stimulate and further extend their efforts. It is the confident expectation, therefore, that the individual states will continue to bear their part."

\$400,000 Store and Hotel at St. Petersburg.

St. Petersburg, Fla.—Plans are being prepared by Leitner & Talley of this city for a 12-story store and hotel to be erected here by Henry H. Love at a cost of approximately \$400,000. The building will be located at 2d street and Second avenue and will occupy a site 100 by 120 feet. It will be of steel frame construction, the first three stories and eleventh and twelfth stories to be of cream and green terra cotta, while the shaft will be of mottled-gray impervious brick.

The first and mezzanine floors will provide a display room for motorcars and for motors for cars and boats. Above these floors provision will be made for hotel rooms, including 150 outside rooms with bath. Space will be provided on the tenth floor for luncheon rooms, on the eleventh for a cafe and on the twelfth for a gentlemen's club room. Steam-heating plant and water-softening machines will be located in the basement. Garage space will be provided for patrons, and it is also planned to maintain a repair shop for automobiles.

Ford Buys Georgia Land for Experimental Farming.

Savannah, Ga.—With the filing of deeds at the courthouse at Clyde in Bryan county, Henry Ford completes the purchase of nearly 10,000 acres of land in Bryan and Chatham counties which he plans to use for experimental farming in connection with food production, flax growing and other farm products. The purchase of the various properties included in the deal was handled by Robert L. Cooper of Savannah, while financial details were in charge of the Citizens' Trust Co. of Savannah. A statement outlining Mr. Ford's plans for the lands was made by the trust company.

Increases Capital Stock to \$10,000,000.

Austin, Texas, April 25—[Special.]—The Humphreys Corporation, recently incorporated in Delaware with a capital stock of \$50,000, has filed notice with the Secretary of State here of an increase of its capital stock to \$10,000,000. The company was formed by Col. A. E. Humphreys of Charleston, W. Va., and associates following their sale of the Boyd Oil Co. to the Pure Oil Co. Colonel Humphreys is president, and Julius Fohs, geologist, is vice-president. The Humphreys Corporation is said to be active at this time in obtaining leases in proved as well as in wildcat areas preparatory to starting an active development campaign.

HOW GEORGIA IS SETTLING UP ITS IDLE LANDS.

A Lesson for All Other Southern States.

Atlanta, Ga., April 25—[Special.]—Five hundred new farmers, most of them tobacco farmers from North and South Carolina, settled in Georgia last year, largely through the Georgia Association's plan for advertising and land settlement, according to F. H. Abbott, secretary of the Georgia Association. A gain of 500 farmers in one year in a state which has been losing farmers for a decade offers something to think about and vindicates the policy of the Georgia Association in its demand that the large plantations be broken up, the small farms so obtained be offered at reasonable terms, and only white, desirable and permanent tenants and owners be secured.

When the Georgia Association proposed its land-settlement plan, a little more than a year ago, it looked like a hopeless proposition. For years there had been a steady drift away from the farms of the state. Colored farm owners and tenants drifted to the North. White farm tenants and owners, finding themselves without labor, abandoned their farms and drifted to town and to the lumber camps. There did not seem to be a thing left to work on. But the Georgia Association, having found the way out by means of the "cow-hog-and-hen," thought it could bring back farmers to the state to take the place of those who had left—better farmers than those who had left, in fact. And as a result of its land-settlement plan it has done that very thing. At the end of the first year of practical operation the plan has netted the state a gain of 500 farmers.

In line with this plan, the Association first went to a number of large plantation owners and asked them to cut up their plantations, fix up their tenant houses and give it the right to make the leases or the sale. Next, it determined to place only high-class men on the farms it leased or sold. There would be no advantage in bringing in labor as shiftless as that which had left. It wanted white farmers—responsible farmers—experienced farmers. It so happened that there were several tobacco markets in the state which were about to go to the wall for lack of sufficient patronage. Tobacco is a curious crop in one respect—if there is a market near at hand, it sells for a good price; if not, it must be sold at a loss. Several markets had been established without sufficient backing and, if they closed, tobacco would cease to be a profitable crop in those sections. What was needed was more tobacco farmers. Across the line, in North and South Carolina, were hundreds of tobacco farmers. Tobacco land was all occupied and high in price. There was no room for further expansion. The stage was thus all set for the Association to try out its plan. On the one hand, there were idle plantations waiting to be cut up and sold and markets waiting for the crop; on the other hand, were farmers wanting more land, but not knowing where to turn to find it. The Georgia Association had only to be the agent in the case.

The Association secured options on some of the best tobacco lands, and had the owners fix the farms up according to specifications. Then, it sent an agent over into North and South Carolina to tell farmers about the opportunities in Georgia. These farmers "grabbed" the tobacco farms "like hot cakes" and settled down on them. In one case, one motor-cade reported 100 per cent efficiency in its operation. Every farmer carried across the line on an inspection trip either bought or leased a Georgia farm. Every farm shown was exactly as represented; the land was suited to tobacco farming; the farms were fixed up as they should be, the buildings were painted and the lines were fenced. They had to be in that condition before the Georgia Association would handle them.

And the terms were right. In every instance, the Association secured for the buyer or lessee terms suitable to the kind of farming he wished to conduct. For his part, the land-owner sold land that he could not otherwise have either sold or used. He secured tenants on terms that would insure their staying with him for an indefinite period. And he had the right kind of tenants placed on his farms—responsible white farmers.

Finally, the Association took out insurance on the success of every man placed, in the form of a contract to raise cows, hogs, hens and diversified crops in addition to his specialized crop. It took no chances on a one-crop system. The tobacco farmer might raise all the tobacco he wanted to for a money crop, but under the terms of his contract as buyer or tenant he had also to raise cows, hogs and hens.

This plan already has brought 500 new farmers into the state—high-class, experienced farmers—and kept them there. Next year it will bring in double that number, and the number will increase just as long as the Georgia Association chooses to go after newcomers. It has solved the problem for the landowner who has more land than he can work. It has solved the problem of the tenant who wants to acquire a farm. It has solved the problem of the state, which must replace the farmers who have left with better farmers, and farmers who will stay. The plan will work with any class of farmers. If the Georgia Association wants dairy farmers, it will go to the dairy states and get them in the same way that it secured its tobacco farmers. Georgia has the resources, and the Georgia Association has found a real method to develop them.

New Enterprises for Hialeah, Fla.

Curtiss-Bright Properties.

Hialeah, Fla., April 22.

Editor Manufacturers Record:

In our town of Hialeah an industrial program is working out quite satisfactorily. We now have the Seminole Bed Spring & Mattress Co. of Miami, which is building a plant here; a tile factory and a sash and door factory, and have prospects of several more coming. We also have the assurance that the Florida East Coast Railway Co. will build shops and yards here and expect to work about 2500 people.

The Florida East Coast Railway Co. is co-operating with us in this enterprise and has put in a spur about a half mile long in the rear of the property to be used for factory sites, which makes the location very attractive to the manufacturers. The Miami Water Co. is building a \$1,000,000 plant in Hialeah for the purpose of furnishing pure water to Miami and Miami Beach. We are also planning to build another six-room unit to our school building this summer.

JAMES H. BRIGHT.

Water-works Contracts Over \$1,100,000.

Spartanburg, S. C.—Contracts totaling more than \$1,100,000 have been awarded for Spartanburg's proposed water-works improvements. A. Phelps & Sons of Knoxville, Iowa, were awarded contract at \$399,583 for a dam, penstock and power house, while Tucker & Laxton, Inc., of Charlotte, N. C., were awarded contract at \$224,600 for building a filter plant and coagulating basin. The latter firm also received contract for laying a pipe line from the filter plant to a storage reservoir to be located on a hill near Boiling Springs and from the reservoir to the city. Alternate bids were accepted on this section, one for 24-inch and 30-inch pipe at \$470,850, and the other for 24-inch pipe throughout at \$420,670. Contract was awarded to the Rome Contracting Co., Rome, Ga., at \$68,600 to construct the proposed reservoir. Paul H. Norcross of Atlanta is engineer for the improvements.

THE IRON AND STEEL SITUATION

Further Decrease Expected in Steel Production—Consumption to Be Maintained.

Pittsburgh, April 27—[Special.]—The iron and steel trade, as a whole, has lost more ground in both production and prices in the past week than in any previous week in this movement. The condition today, however, is not out of keeping with prognostications of last February. In March the remarkable thing was that the trade was holding up so well, so that the downturn should be considered as delayed rather than unexpected.

Steel mill operations last week were at between 75 and 80 per cent on an average, against close to 85 per cent the preceding week and over 90 per cent during March. As production during the March quarter was 90 per cent of capacity, or considerably more than estimated consumption, lower production eventually was necessary in order to equalize, and additional weakness in steel prices is making buyers more eager to liquidate their stocks quickly. The outlook at the moment is that steel production will decrease considerably more up to July and then, if consumption continues heavy, there will be an upturn in production.

There is no reason to expect any decrease in consumption. The rate of consumption now is undoubtedly heavier than at the beginning of the year, chiefly on account of seasonal influences. For the year 1925, as a whole, there is no precise reason for expecting smaller or larger steel consumption than the average of the past two years, both of which were really fairly good years in steel.

Fabricated steel contracts reported last week as let totaled 25,000 tons, making an average for six weeks of 33,000 tons a week, just equal to the average of the first 10 weeks of the year, so that this business is keeping up fully. Automobile production has gotten up to a high rate, far above that of early in the year. Agricultural implement factories have had a higher operation since January 1 than in the same period of any preceding year since 1920. Freight-car shops are running approximately as formerly, but with not a great deal of business ahead. The extensive railroad improvement programs announced for the year are being carried out.

The oil industry, on the other hand, presents a less favorable aspect for steel consumption than early in the year, as production has been increasing, and drilling plans are getting on a more conservative basis.

Finished steel prices have suffered considerably in the past week. In some lines, sheets and wire products, there has been a spread of the shading previously seen whereby the lower prices have become the regularly quotable market. In bars and shapes there has been, on the contrary, a sudden drop. In their case the situation seems to have been that mills found it no longer advantageous to hold prices in the open market to encourage specifying on contracts. In the other lines there was simply strong competition. At the meeting of stockholders of the Steel Corporation a week ago Judge Gary stated that while he would not say the competition was "desperate" it was "decidedly strenuous."

Quotable declines in the lines named are \$2 a ton, making blue annealed sheets 2.50c to 2.60c, black sheets 3.30c to 3.40c, galvanized sheets 4.40c to 4.50c, nails \$2.75, with other wire products in keeping and bars and shapes 2.00c to 2.10c. Plates remain quotable at 2.00c, and automobile sheets at 4.40c, but the latter had already had a sharp decline.

Finished steel prices are quite out of line with each other, every product having moved according to its circumstances, not so much as to demand as to the number and disposition

of the competitors. The last general advance in steel prices ended in April, 1923. Rails, pipe and tinplate are at those prices, all other lines having declined in 1924, with advances after the election. Wire products are not at the level of the low point of last year, sheets are below that low point, and bars, shapes and plates are above it.

Pig iron has been stagnant. Foundry is off 50 cents following a similar decline in Bessemer and basic, the market now being weak at \$21 for Bessemer and \$20 for basic and foundry, f. o. b. valley furnaces.

Small Lot Sales Predominate.

Birmingham, Ala., April 27—[Special.]—Furnace interests in Alabama have been holding firmly to the \$22 per ton base, No. 2 foundry; sales have been slow, purchases in small lots and for immediate consumption. This condition has been on for several weeks. The furnace interests on the whole have seen no reasons for giving concessions, while consumers have been seeking lower-priced iron for some time. Larger melters have had considerable iron due them and are still holding off until absolutely required to buy; in the meantime, plants are going to capacity and much of their respective products being turned out.

One of the smaller furnace interests sold some iron at a lower price than the market quotation, and one consumer, using between 100 and 150 tons a day, purchased around 7000 tons at \$20 and was fortunate in getting hold of some resale iron at \$18.50 to \$19 per ton. The total tonnage sold under the \$22 base, up to the end of the fourth week of the month, has not been very great, iron having gone to the yards. Foundry iron will show a falling off in comparison with the output in March, as will also the basic make. The surplus basic iron has increased in volume during the past few months.

Greater diversification in steel products is reaching large proportions in Alabama. The sheet mill of the Tennessee Company, original plans being doubled, will not be completed now until fall. Other development by the corporation is being pushed right along. Reeves Bros., Inc., manufacturing tanks and tank cars, will have their plant completed within the next 60 days and their steel will be furnished by the Tennessee Coal, Iron & Railroad Co. The Connors Steel Company now is shipping steadily and the Atlantic Steel Company of Atlanta has also been shipping steel cotton ties recently. The competition of Belgian ties on the Gulf Coast has about been eliminated.

Cast-iron pressure-pipe manufacturers of the Birmingham district still report some competition by French pipe, but say there is considerable business for them and that bookings will care for operations for three months, by which time new business will have come in in quantity. The pipe makers bought pig iron freely last October and November, but the iron due will soon be at an end. The pipe makers are maintaining a quotation of \$40 base on six-inch and over, with occasional reports of \$39 being done. The soil pipe and fittings industry has been feeling a recession in the trade for some little time and stock has accumulated and curtailment of production has taken place. There is now a better feeling, however.

The demand for Portland cement shows further increases and the several plants of the district are operating to capacity and shipping in greater quantity than the make, the cement accumulated during the winter being used.

Clay products are in big demand, not only brick, but sewer pipe, tanks, etc. The L. L. Stephenson Company is to build

a big plant near Cordova, and the Rogers Brick Company is putting in a brick works near Bessemer.

The new, big dynamite plant of the Hercules Powder Company, south of Bessemer and 15 miles from Birmingham, will be completed by June 20 and will be started up at once. The Birmingham district uses a large quantity of heavy explosives and the plans are to deliver from this plant by trucks to the mines, quarries and other operations where the product is used.

Coal production in Alabama is around 359,000 tons the week, the steam coal demand showing a little weakness. Railroads are still negotiating on their next year's need, 12 months from July 1. The minimum tonnages so far scheduled equal that of the present 12 months. The De Bardeleben Coal Corporation has completed an immense steel tipple, conveyor and coal washer at its Empire mines at a cost of \$125,000. The tipple can handle 2000 tons of coal daily and the washer has a capacity of 1200 tons.

Coke production in Alabama is being maintained and a fairly good demand is noted.

The scrap iron and steel market is still quiet, though purchasing of some of the products by the Tennessee Coal, Iron & Railroad Co. for use in steel plants in Fairfield has had a tendency of giving much encouragement in the market here. Quotations for scrap iron and steel are still weak. Re-rolling rails, being used in the manufacture of concrete bars, are being bought as low as \$15 per ton now. The small rolling mills of the district working on this product are turning out considerable concrete bars.

Quotations for pig iron and iron and steel scrap in the Birmingham district are as follows:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$20.00 to \$22.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$20.50 to \$22.50; iron of 2.75 to 3.25 per cent silicon, \$21.00 to \$23.00; iron of 3.25 to 3.75 per cent silicon, \$21.50 to \$23.50; iron of 3.75 to 4.25 per cent silicon, \$22.00 to \$24.00; charcoal iron, f. o. b. furnaces, \$30.00.

OLD MATERIAL.

Old steel axles	\$17.00 to \$18.00
Old iron axles	18.00 to 19.00
Old steel rails	13.00 to 14.00
Heavy melting steel.	13.00 to 14.00
No. 1 cast.	16.50 to 17.00
Stove plate	13.00 to 14.00
No. 1 railroad wrought.	12.00 to 13.00
Old car wheels	15.00 to 16.00
Old tramcar wheels	16.50 to 17.00
Machine shop turnings.	7.00 to 8.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.).	15.00 to 16.00

Kansas City Southern Negotiating for Louisiana Railway.

The Kansas City Southern Railroad Co. is negotiating for the purchase of the Louisiana Railway & Navigation Co., according to announcement in New York. Recently, as published in the MANUFACTURERS RECORD, the Kansas City Southern interests acquired a substantial share in the Missouri-Kansas-Texas Railway and elected four directors to the board of that system. The proposed acquisition of the Louisiana road would make a very valuable addition to the previous combination.

The Louisiana Railway & Navigation Co.'s railroad runs from New Orleans northwest via Baton Rouge, Alexandria and other points to Shreveport, La., 306 miles, and its Texas extension runs from Shreveport to Greenville, Texas, 172 miles, with a branch of 32 miles from Greenville to McKinney, which, with the Winnfield branch in Louisiana, makes a total of about 540 miles in the system. Wm. Edenborn of Shreveport is president.

If the contemplated deal for the road is fulfilled, it will mean a combination of interests representing 3176 miles of line, thus: Kansas City Southern, 836 miles; Missouri-Kansas-Texas, 1800 miles; Louisiana Railway & Navigation, 540 miles.

RAILROADS

NORFOLK & WESTERN TO LEASE VIRGINIAN RAILWAY.

Directors of Both Lines Agree Upon \$550,000,000 Combination of Interests.

According to an announcement made last week by President A. C. Needles of the Norfolk & Western Railway Co., the board of directors have agreed with the directors of the Virginian Railway Co. that, subject to the approval of the stockholders of the two companies and of the Interstate Commerce Commission, the Norfolk & Western Railway Co. will lease the Virginian Railway and the two lines will be operated and developed in harmony.

It is further stated that the terms of the lease provide that the Norfolk & Western Railway Co. shall pay for the Virginian Railway operating expenses, taxes, interest on funded debt and a net payment of 6 per cent a year on the outstanding stock, or a total of about \$3,500,000 annually, as the net earnings of the Virginian Railway recently approximated that amount. The stockholders are to meet in May to act upon the plan.

The Norfolk & Western Railway and the Virginian Railway both extend from Norfolk, Va., westward, the latter being to the south of its competitor for the greater part of the distance as far west as Roanoke, Va., and for several miles beyond, where it crosses to the north of the Norfolk & Western line and at Ingleside, W. Va., turns northward via Princeton, finally terminating at Deepwater, on the Kanawha River, 435 miles from Norfolk. There are several branches in West Virginia to different coal fields. The Norfolk & Western Railway is about 675 miles long from Norfolk, Va., to Columbus, Ohio, with a branch from Portsmouth to Cincinnati, 106 miles. Other lines of the system run from Radford to Bristol, Va.; Roanoke, Va., to Hagerstown, Md.; also from Roanoke to Winston-Salem, N. C.; Lynchburg, Va., to Durham, N. C., and Bluefield to Norton, Va. Connection to the Great Lakes region is made over the Pennsylvania Railroad, with which the Norfolk & Western is affiliated.

Concerning the agreement for the Norfolk & Western to lease the Virginian Railway, President Needles of the former also says: "The patrons of the two systems and the communities they serve, both on line and more distantly, will, it is believed, have a more efficient service. A striking illustration would be the alternative use of the Norfolk & Western or Virginian lines to tide in times of congestion on either line. Duplication of facilities by both roads would be avoided by this alternative use and unified operation. The electrification of the Virginian from the coal fields in West Virginia to Roanoke, Va., will shortly be completed. The use from time to time of the Virginian's better grade line to tide will save heavy outlay in revision of the line and grade of the Norfolk & Western to tide, and the combined use of the two roads will avoid duplication by the Virginian of trackage and other facilities which the two roads in joint operation can furnish."

"From the financial viewpoint the addition of the Virginian to the Norfolk & Western system will create business to the west for the Norfolk & Western and will also relieve it of very heavy capital expenditures which must otherwise be made. The owners of the Virginian get a normal return and such stability as the alliance will give and avoid the construction of a line to the Lakes and the northwest, or of connecting lines to any existing railroad."

Mr. Needles also comments that both roads are well equipped with both cars and engines, and their electrical system is the same. Besides, the Virginian's coal pier at

Sewalls Point near Norfolk will be an important alternate delivery point for coal from Norfolk & Western sources.

The plan to combine the Norfolk & Western and the Virginian railways came as something of a surprise, for it has been expected that the Virginian would fall in with the Chesapeake & Ohio Railway and its related lines in the suggested grouping of railroads into large consolidated systems as outlined tentatively some time ago. In New York, however, it is stated that the Pennsylvania Railroad, which is largely interested in the Norfolk & Western, has planned this lease for 999 years in order to protect itself in Virginia and West Virginia territory. The combined assets of the Norfolk & Western and the Virginian railways are stated at \$550,000,000.

From Richmond comes the statement that the Virginia State Corporation Commission will enter its opposition to the lease when it comes up before the Interstate Commerce commission, as the combination would not result in proper development of Hampton Roads, and it is felt sure that it would mean in the end consolidation with the Pennsylvania system, but a lease of the Virginian to the Chesapeake & Ohio Railway is also opposed by the Corporation Commission.

The Virginian Railway—of which C. W. Huntington is now president, and who, as a result of the agreement concerning the lease, has resigned as of April 30—was built about 15 years ago by the late Henry H. Rogers of New York, Wm. N. Page of Ansted, W. Va., who was the first president of the line, being actively in charge of its construction. The road was from its beginning an outstanding example of modern railroad building, being built with descending grades for loaded coal trains all the way from the assembling yard in West Virginia to the terminus on Hampton Roads. It has thoroughly up-to-date equipment and was the first railroad to adopt the 120-ton coal cars; it also has the largest freight locomotives in the world.

"Orient" Line Plans to Build Two Links.

Alpine, Texas, April 25—[Special.]—Announcement by E. H. Shaufler of Wichita, Kan., general manager of the Kansas City, Mexico & Orient Railway, that the link between Alpine and the northern end of the Rio Grande-Chihuahua division would be immediately constructed was followed by the statement of officials of the Texas part of the system that a subsidiary company will be formed to build an international bridge across the Rio Grande about five miles below Presidio. This bridge will accommodate both railway and vehicle traffic, it is stated. It is expected that construction of the line southward out of Alpine will be started within the next few weeks. The distance from here to the proposed Rio Grande crossing point is 83 miles, and from the Mexico side of the river to the present end of the line in the Conchos River valley is about 62 miles.

Contracts Let for 30 Miles of Second Track.

The Missouri Pacific Railroad, according to a press report from St. Louis, has awarded contracts for the construction immediately of 30 miles more of second track on its main line between St. Louis and Jefferson City, Mo. The longest section to be built is from Isbell to Gasconade, Mo., about 19 miles. Another stretch, 5 miles long, extends east and west of Berger, Mo. A third section is from Allenton to Eureka, Mo., about 2½ miles, and a fourth from the Moreau tunnel to Osage, Mo., about 3½ miles. The entire work will cost about \$2,000,000 and increasing traffic has compelled this increase of track facilities. It is stated that a specially arranged signal system will make possible the operation of trains in either direction over either track. It is the purpose of the company to have double track completed all the way from St. Louis to Kansas City within the next three years.

\$1,000,000 IMPROVEMENTS AT HOUSTON.

Southern Pacific Lines Award Contracts for Terminal on Ship Channel.

President W. R. Scott of the Southern Pacific Lines, Houston, Texas, wires the MANUFACTURERS RECORD concerning the proposed enlargement of facilities there as follows:

"Project located on Houston ship channel at Houston includes a reinforced concrete pier 1405 feet long fronting on a slip 1000 feet long by 225 feet wide, with 1400 feet of transit sheds 70 feet wide; warehouse 400 feet by 70 feet, served by 10 tracks with capacity of 150 cars, divided into three track bays by covered trucking platforms 40 feet wide, aggregating 1070 feet in length, together with fuel-oil wharf and power house 40 by 60 feet.

"Equipment includes freight conveyors for handling steel and heavy machinery, and complete fuel oil handling and storing facilities. There is duplicate fire protection, supplemented by automatic sprinklers and a complete sanitation system. All building construction is steel and concrete, with asbestos-protected metal roofing and siding; estimated cost, \$1,070,000.

"The contractors are as follows: Dredging, Atlantic, Gulf & Pacific Co. of Houston; grading, W. A. Harris Contracting Co., and S. A. Lacy of Houston; waterfront construction and erection of buildings, W. H. Nichols & Co. of Dallas, Texas.

"Principal material and equipment will be provided thus: Structural steel, Phoenix Bridge Co., Phoenixville, Pa.; reinforcing steel, Franklin Iron Works, Franklin, Pa.; asbestos protected metal, H. H. Robertson Co., Pittsburgh, Pa."

New Equipment.

Southern Pacific Company has ordered 10 passenger cars from the Pullman Car & Manufacturing Corporation, 6 baggage-horse cars from the American Car & Foundry Co., 6 combination baggage and mail cars from the Standard Steel Car Co. and 5 baggage cars from the Bethlehem Shipbuilding Corporation. The passenger cars will be 72 feet long, the others 70 feet.

Maryland & Pennsylvania Railroad is reported in the market for a consolidation locomotive.

Orders for motorized rolling stock are reported by various railroads as follows: Missouri Pacific, 5 two-car motor coach trains from the Sykes Company, and 2 combination passenger and baggage gasoline rail motor cars from the J. G. Brill Company; Pennsylvania Railroad and the New Orleans Great Northern Railroad, each 1 combination passenger and baggage rail motor car from the Brill Company.

Clinchfield Railroad has ordered 1 locomotive crane from the Brown Hoisting Machinery Co.; Baltimore & Ohio Railroad has ordered 3 locomotive cranes from the McMyler-Interstate Co., and the Illinois Central Railroad has ordered 2 locomotive cranes from the Orton & Steinbrenner Co.

The Big Freight Movement.

Loading of revenue freight for the week ended on April 11 totaled 917,284 cars, according to reports filed by the carriers with the Car Service Division of the American Railway Association. This was an increase of 36,347 cars over the corresponding week last year but, compared with the preceding week this year, it was a decrease of 5091 cars, there having been declines in the loading of grain and grain products, coke, forest products, merchandise and less than car-load lot freight and miscellaneous freight, although increases were reported in the loading of livestock, coal and ore. Since January 1 there have been over 13,604,000 cars loaded with revenue freight, or about 274,000 in excess of the same period last year.

Missouri Pacific Seeks San Antonio, Uvalde & Gulf Line.

The Missouri Pacific Railroad Co., according to a report from St. Louis which quotes President L. W. Baldwin, is endeavoring to acquire the San Antonio, Uvalde & Gulf Railroad through the New Orleans, Texas & Mexico Railway (or Gulf Coast Lines), which it lately acquired, the purpose being to add it to the latter. The San Antonio, Uvalde & Gulf Railroad runs from San Antonio to Corpus Christi, Texas, 150 miles, this being the main line, but there is a branch 124 miles long from North Pleasanton to Carrizo Springs, Texas, and a 40-mile branch from Crystal City to Uvalde Junction via Uvalde, connection being made at the Junction with the Southern Pacific lines.

President Baldwin is also quoted as saying that the road is wanted to round out the system, and especially to provide their own service from the lower Rio Grande Valley to San Antonio. An option has been secured on a large block of the stock of the desired line, which is in a receivership, A. R. Ponder of San Antonio being receiver and general manager.

New Fast Train on the Southern.

Locomotives and cars valued at approximately \$2,000,000, also 130 train employees, will be continually and exclusively employed to maintain the "Crescent Limited," the new de luxe, extra-fare train between New York and New Orleans, first placed in service last Sunday by the Southern Railway system, according to the company's announcement. Five complete trains are required for this service and each includes a club car, an observation sleeping car, a compartment-drawing room car, open section sleeping cars and a dining car. In operating each train there will be employed at all times five engine and train service men, nine sleeping-car attendants and a dining car crew of 12, or, as stated, 130 for the five trains. Each train, in addition to the observation and club car chairs, will include 54 sections, eight drawing rooms and eight compartments.

Muscle Shoals Line Bought for \$229,000.

Foreclosure sale of the Muscle Shoals, Birmingham & Pensacola Railroad on April 20 at Pensacola, Fla., resulted in its purchase for \$229,000 by E. N. Brown of New York, who is chairman of the Frisco system; W. B. Harbeson, J. W. Malone and others, all of Pensacola. It was stated, however, that Mr. Brown's interest in the transaction is wholly personal and has no relation to the Frisco system or its subsidiaries. The line will continue to be operated as at present until the plans of the purchasers are matured. The Central Union Trust Co. of New York city is trustee for the bonds. W. B. Harbeson of Pensacola is receiver, and John T. Steele of Buffalo, N. Y., is president of the road, which is 143 miles long from Pensacola to Kimbrough, Ala., where it connects with the Southern Railway. At Atmore, Ala., 53 miles from Pensacola, it also connects with the Louisville & Nashville Railroad.

Cars and Engines Placed in Service This Year.

Class I railroads during the first three months this year placed in service 44,163 freight cars, according to reports filed by the railroads with the American Railway Association. Freight cars on order on April 1, deliveries of which are being made daily, totaled 46,126. The railroads during the first three months this year also placed in service 430 locomotives, and locomotives on order on April 1 totaled 315.

The city of Tulsa, Okla., A. J. Rudd, mayor pro tem, has voted an issue of \$500,000 of water bonds.

TEXTILE

Franklin Process Spinning Mill Enlarging.

Fingerville, S. C.—Orders have been placed by the Franklin Process Spinning Mill for 2300 additional spindles and complementary machinery to be installed in the company's plant here. Contract has been awarded to the Fiske-Carter Construction Co. of Spartanburg for the erection of 12 additional dwellings for operatives. This mill is owned by the Franklin Process Co. of Providence, R. I., and is devoted exclusively to the production of yarns. The company also has a plant at Greenville.

Contract for New Processing Plant.

Rossville, Ga.—Contract for the erection of the main building here for the National Yarn Processing Co. has been awarded to Mark K. Wilson of Chattanooga. The structure will cost approximately \$100,000. As reported by the MANUFACTURERS RECORD, the National Yarn Processing Co. was organized recently with a capital stock of \$600,000 to build a mercerizing, bleaching and dyeing plant. It will have a weekly capacity of 150,000 pounds of finished yarns. T. H. McKinney of Chattanooga, Tenn., is president of the company.

Oakland Mills Increase Capital to \$760,000.

Newberry, S. C.—By action of directors to the Oakland Mills here the capital stock of the company will be increased from \$500,000 to \$760,000, of which \$510,000 will be preferred and \$250,000 common stock. H. P. Kendall, president of the Kendall Mills, Inc., operating the Addison Mills at Edgefield, S. C., as well as a number of other Southern and New England plants, has purchased an interest in the Oakland Mills, and it is understood that the entire output of this plant will be taken by the Kendall Company.

New England Company Buys Charlotte Site.

Discussing its recent purchase of a site of 30 acres of land at Charlotte, N. C., the New England Waste Co. of Boston advises the MANUFACTURERS RECORD that it bought the Charlotte property as a matter of protection and has not yet made plans regarding the erection of a plant. The property is located on the Salisbury road beyond the northern boundary of Charlotte, facing more than 1000 feet on Tryon street extended, and is served by railroad.

Contract for \$150,000 Cloth Room.

Lanett, Ala.—Contract has been awarded to T. C. Thompson & Bros., Charlotte, N. C., for the proposed \$150,000 cloth room to be erected at the cotton mill here of the West Point Manufacturing Co. of West Point, Ga. Plans and specifications for the building were prepared by Robert & Co., Inc., architects and engineers, of Atlanta.

New Knitting Mill for Lenoir City.

Lenoir City, Tenn.—Plans have been made by the United Hosiery Mills of Chattanooga to establish a branch plant here which will employ about 250 men. Pending the erection of a factory building, the company will operate in one story of a building owned by James N. Nair.

The A. & P. Villa Bros. Silk Mill, Erwin, Tenn., is excavating under its mill building for additional storage room for raw material, the building being 309 by 54 feet. J. H. Chapman is vice-president and superintendent of the company.

LUMBER AND BUILDING MATERIALS

Lumber Business Continues to Show Strength.

Washington, D. C., April 23.—According to reports received by the National Lumber Manufacturers' Association from 380 of the principal commercial softwood mills of the country for the week ending April 18, production, shipments and orders were considerably larger than for the previous week. Increases in all items are also shown, as compared with the corresponding week as reported in 1924.

The unfilled orders of 250 Southern Pine and West Coast mills at the end of last week amounted to 632,749,620 feet, as against 630,602,075 feet for 247 mills the previous week. The 129 identical Southern Pine mills in this group showed unfilled orders of 245,739,130 feet last week, as against 246,597,260 feet for the week before. For 121 West Coast mills the unfilled orders were 387,010,490 feet, as against 384,004,815 feet for 118 mills a week earlier.

Altogether the 380 comparably reporting mills had shipments 96 per cent and orders 99 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 104 and 103, and for the West Coast mills 97 and 105.

Of the comparably reporting mills, 354 (having a normal production for the week of 225,836,474 feet) reported production 103 per cent of normal, shipments 101 per cent and orders 104 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past week	Corresponding week 1924	Preceding week 1925 (revised)
Mills	380	383	373
Production	250,484,930	244,568,453	243,266,456
Shipments	241,092,475	234,385,274	236,280,805
Orders	246,770,735	211,922,707	244,199,904

The following revised figures compare the lumber movement for the first 16 weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	8,735,854,034	3,686,779,898	3,584,276,176
1924	8,716,888,830	3,758,590,829	3,656,819,501
1925 Increase.....	18,965,204		
1925 Decrease.....	71,810,931	72,543,325

The West Coast Lumbermen's Association wires from Seattle that new business for the 121 reporting mills for the

	LUMBER MOVEMENT FOR SIXTEEN WEEKS, AND FOR THE WEEK ENDING APRIL 18.							
	Production		Shipments		Orders			
	1925	1924	1925	1924	1925	1924	1925	1924
Southern Pine Association:								
Total	1,267,501,718	1,196,166,977	1,199,806,731	1,177,083,604	1,187,308,809	1,153,041,063		
Week (129 mills).....	75,967,524	77,743,882	79,094,470	77,151,365	78,236,340	72,026,145		
West Coast Lumbermen's Association:								
Total	1,572,313,123	1,592,758,335	1,596,016,273	1,618,777,920	1,576,290,852	1,533,685,840		
Week (121 mills).....	104,757,470	96,913,914	102,072,519	100,854,711	110,138,837	92,961,562		
Western Pine Manufacturers' Ass'n:								
Total	371,108,000	430,122,000	423,281,000	484,929,000	403,261,000	487,769,000		
Week (36 mills).....	34,112,000	34,559,000	29,577,000	27,898,000	30,825,000	20,900,000		
California Redwood Association:								
Total	124,864,000	138,709,000	111,767,000	119,744,000	114,304,000	120,037,000		
Week (15 mills).....	7,126,000	9,976,000	7,342,000	8,355,000	7,574,000	5,936,000		
North Carolina Pine Association:								
Total	130,218,193	128,847,318	131,717,394	128,326,505	107,524,515	119,161,598		
Week (53 mills).....	10,294,736	9,437,957	10,934,586	9,176,298	8,896,558	7,924,000		
Northern Hemlock and Hardwood:								
(Softwood) total	51,821,000	33,308,000	39,740,000	35,835,000	30,087,000	31,142,000		
Week (17 mills).....	1,468,000	677,000	2,206,000	1,317,000	1,843,000	1,118,000		
Northern Pine Manufacturers' Ass'n:								
Total	118,261,000	114,010,200	128,295,500	136,636,800	120,602,000	153,586,000		
Week (9 mills).....	12,485,200	11,717,700	8,082,900	7,292,900	7,621,000	10,237,000		
General total for 16 weeks.....	3,636,087,034	3,633,921,880	3,630,623,898	3,701,332,829	3,539,468,176	3,598,422,501		
Northern Hemlock and Hardwood:								
(Hardwood) 16 weeks.....	99,767,000	82,967,000	56,156,000	57,258,000	44,808,000	58,397,000		
California White and Sugar Pine:								
Total	*138,148,000	148,307,000	244,791,000	228,112,000	229,892,000			
Week (8 mills).....	7,344,000	12,550,000	7,688,000	9,336,000	9,040,000	9,187,000		
General total for week.....	250,484,930	244,568,453	241,092,475	234,385,274	246,770,735	211,922,707		

*Revised figures not included in general totals. Represents about 75 per cent total production California pine region.

week ending April 18 was 5 per cent above production and shipments were 7 per cent below new business.

The Southern Pine Association reports from New Orleans that for the 129 mills reporting, shipments were 4.12 per cent above production, while orders were 2.99 per cent above production and 1.08 per cent below shipments for last week. Of the 83 mills reporting running time, 77 operated full time, including 12 on overtime, 10 of the latter on double shift. Five mills were shut down and the rest operated from one to five days.

The Western Pine Manufacturers' Association of Portland, Ore., reports production somewhat less than for the preceding week, a small gain in shipments and a slight decrease in new business.

The California Redwood Association of San Francisco reports a fair increase in production, while shipments and new business remained about the same last week as for the preceding week.

The North Carolina Pine Association of Norfolk, Va., reports distinct gains in production, shipments and new business, with nine more mills reporting last week than for the week before.

The Northern Hemlock and Hardwood Manufacturers' Association of Oshkosh, Wis. (in its softwood production), reports a slight decrease in production, a distinct gain in shipments and a fair gain in new business.

The Northern Pine Manufacturers' Association of Minneapolis reports a small gain in production, shipments somewhat less last week than for the preceding week and a marked decrease in new business.

Enlarging Gypsum Company Plant.

Sweetwater, Texas, April 25—[Special.]—The plaster and sheetrock plant of the United States Gypsum Company here is again being enlarged. In February new equipment was installed which increased Sweetwater's daily output of fire-proof wallboard by 50 per cent. The new improvements will raise it 100 per cent more and will double the output of plaster.

The calcining equipment and the grinding equipment will be doubled in capacity. A new calcining kettle of 12 tons capacity will be built. Half of this additional capacity will

be routed through the plaster department, the other half into the manufacture of board. Inasmuch as arrangements were made for such expansion when the plant was first designed, this will be done with a minimum of additional equipment in the wallboard department.

The company is increasing the number of materials manufactured here. One new product is Oriental stucco, a combination of Portland cement base-coats with a finish-coat, into which mineral colors are ground. Another is Textone, an interior plastic paint that gives texture and tone in one coat. A third is Gyp-Lap, a new invention, a fireproof exterior sheathing. This plant also will supply gypsum rock to the Portland cement factories of Texas, about 2 per cent of all this material being gypsum.

Logging Men Urge Reforestation—Should Advertise Appalachian Woods.

As one of the principal speakers at the Appalachian Logging Congress, held at the Hotel Sinton, Cincinnati, F. G. Norcross of Fort Myers, Fla., former president of the organization and described as "the white-haired Nestor of the logging men of the Appalachians," urged that the policy of reforestation be pursued. Also, he said that an advertising campaign should be instituted to inform the public of the remarkable qualities of woods cut in the Appalachian Mountains.

"We are cutting trees 425 years old in the Appalachians, and the quality of this wood is so high that America never again will see its equal," said Mr. Norcross. "This wood has qualities of such unusual character that we ought to tell the public about it through newspaper and other advertising. I cut trees for 55 years, and in all that time I never used a ball-bearing on our band saws, nor did anyone else."

Logging camps today are manned by men who, in many instances, are stockholders in the operating company, according to L. D. Gasteiger, Braemar, Tenn. He declared that the old slave-driving day in a logging camp is past, due to the spirit of co-operation which pervades the camps far back in the hills, but also he warned companies against the creation of too many selling agencies, saying many had come to a disastrous end by following this plan.

Dr. J. L. Reeves, Ravenswood, N. C., told of the work of company doctors.

The visitors were entertained at the Business Men's Club and at a theater party. H. F. Van Orman, Lieutenant Governor of Indiana, and W. B. Greely, chief of the United States Forest Service, Washington, were among the other speakers.

Purchases 1600 Acres Clay Land.

Referring to its purchase of clay land near Cordova, Ala., where it plans to build a \$300,000 brick plant, the Stephenson Brick Co. of Birmingham advises that it has bought 1600 acres. As reported by the MANUFACTURERS RECORD last week, the new plant will have a capacity of 40,000 bricks daily and will employ 150 men.

Contract for Telephone Exchange at Baltimore.

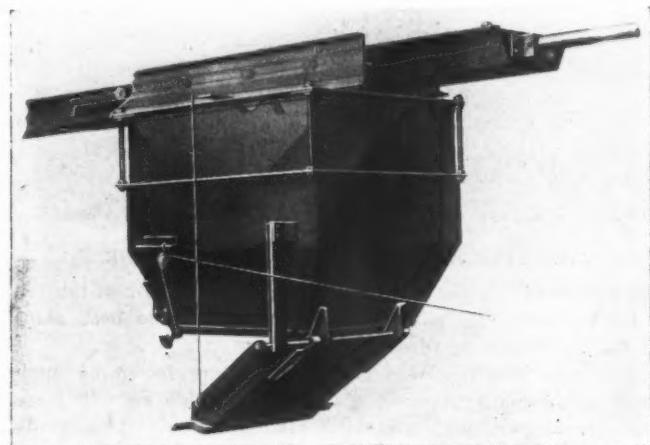
Plans have been made by the Chesapeake & Potomac Telephone Co. of Baltimore for the erection of a modern exchange building on Madison avenue adjoining the present structure. Contract for the building has been awarded to J. Henry Miller, Inc., Baltimore, and its cost will be about \$160,000. The new structure will be fireproof, two stories, 143 by 59 feet, with steel frame and brick walls. It will be equipped with machine-type switching machinery and will make the second exchange so equipped in Baltimore, the first being the Liberty exchange, which has been in operation for some time. Frederick E. Beall of Baltimore is architect.

MECHANICAL

Improved Adjustable Batcher.

A number of new features in the 1925 design of the adjustable measuring batchers manufactured by the Blaw-Knox Company, Pittsburgh, Pa., not only increase their utility and extend their labor-saving characteristics, but prolong their life. They are widely used for the automatic and accurate proportioning of concrete aggregates, and everyone interested in such work will be glad to learn that these batchers, as they have now been improved, are interchangeable—that is, the construction of the sand and stone batcher is identical. This gives contractors greater latitude in the use of equipment and increases the standardization of his outfit. The picture herewith illustrates one of the new batchers.

The lower section of this batcher is built truly square and it can, therefore, be turned and replaced on the upper cone so that the discharge gate opens in any direction. This en-



NEW ADJUSTABLE MEASURING BATCHER.

ables a contractor to suit the delivery of the measured batches from the batcher to the varying requirements of his different systems of operation. A semaphore indicator that is built into the machine operates automatically with the loading and discharging of material, and a glance of the operator tells him whether the batcher is full or empty. There is also a non-jam, strike-off gate which operates on roller wheels mounted on a track, and it enables the material to be struck off and the bin discharge closed with one motion of the operating lever. As the batcher slopes 60 degrees or more, clean discharge is assured and the electrically welded construction gives a smooth interior, which keeps material from sticking within.

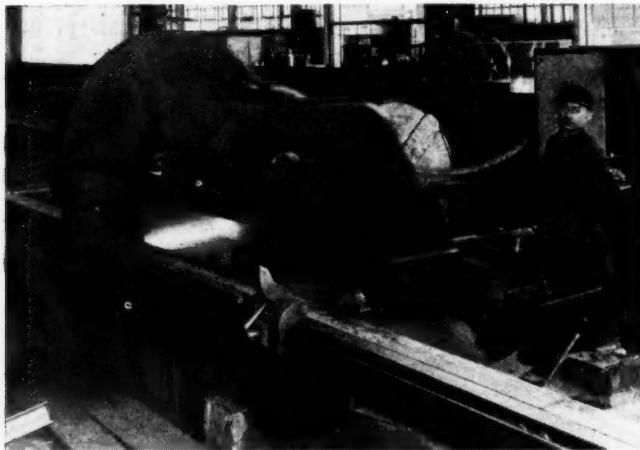
Forged steel hinges are on the discharge door and they work on a cold-rolled steel shaft 1 1/4 inches in diameter; there are also two forged-steel latches. The discharge openings are larger, which speeds up operation. Counterweights have plow steel cables leading to the latches.

Another improvement made by the company is a new design for their duplex charging bin and batcher plant, adding many improvements making for stability, simplicity, ease of erection and portability. The plant is shipped by railroad entirely assembled, except for the batchers. If a crane is used for unloading it from the cars, it can be carried by truck to the job and erected by simply straightening out the legs, which are hinged so that they are folded during shipment and the batchers are then attached. If no crane is available at the station where the plant is received, the batcher plant can be knocked down before unloading from the cars. When

the plant is in use and it is necessary to move it to another location, as in city-paving work, a truck can be driven under it, the legs can then be folded up and the plant, batchers and all, can be carried on the truck to its new position.

Friction Saw Reconditioning Machine.

The accompanying illustration shows a new machine for reconditioning friction saw blades. It consists primarily of a centering and leveling frame which holds the blade in a horizontal position, while a milling and serrating hob is applied to the edge of the blade, revolving it and at the same time milling the desired grooves, trimming the rim so that



MACHINE RECONDITIONING A SAW BLADE.

the periphery is left true. At another point a pair of milling cutters remove the slight mushroom effect from both sides of the blade as it is revolved.

This new machine was developed and perfected by engineers of Joseph T. Ryerson & Co., Inc., of Chicago, who state that it sharpens and trims the blades, making them ready for use and practically as good as new blades. The hob and milling cutters employed will form teeth in any standard make of blade regardless of the hardness of the steel. The work is done quickly and the teeth are cut perfect, according to the specified size, and they are spaced evenly at the proper angle to the radius of the blade, so that they have, it is noted, all the strength and resistance of a new blade. The machine is simple and easy to operate, so that a comparatively unskilled workman can use it.

By the use of this machine, it is further explained, the slow and expensive method of forming teeth in the periphery of the blade with a cold chisel and a hammer is avoided, and at the same time a perfectly true and even job is accomplished. This will be appreciated in shops using friction saws, but it is planned by the Ryerson organization to place machines of this kind in each of their seven plants, where a saw owner, who has only occasional reconditioning to do, may have blades put in shape quickly at a moderate expense.

A Carborundum Detector Unit.

Carborundum, long recognized as one of the greatest of abrasives, or grinding materials, is now filling an important place in the radio world through the development of a new



DETECTOR FOR RADIO SETS.

detector unit for reflex and crystal sets. This unit is of the cartridge type and it is made with carborundum specially produced and tested for radio use exclusively. It is fixed

and permanent; no adjustments are necessary, and the manufacturers, the Carborundum Company, Niagara Falls, N. Y., also state that there is no need to search for a sensitive spot, because this detector remains sensitive indefinitely and it will not burn out.

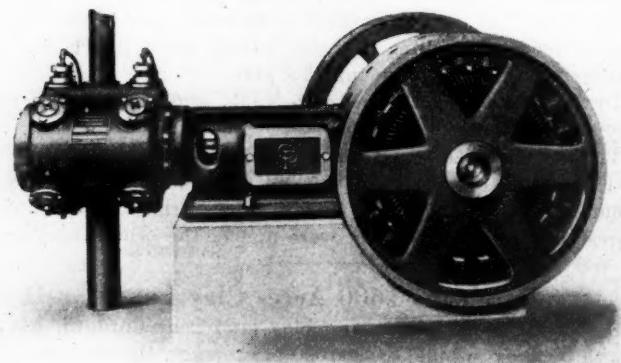
It is furthermore stated that exhaustive tests have proved that this detector unit will make possible sharper tuning, the reception of clear, true tones, greater selectivity, and greater volume and distance on any properly constructed reflex or crystal set. Many radio enthusiasts have also reported that this detector can be used in place of a detector tube with splendid results. The device is laboratory tested and it is now on the market under the company's guarantee.

Air Compressor With Direct Connected Synchronous Motor.

In the accompanying illustration is shown a direct-connected air-compressor unit with the "flywheel" type of synchronous motor, and made in sizes ranging from 139 to 1000 cubic feet displacement for 100 pounds discharge pressure up to 125 pounds. This machine is manufactured by the Chicago Pneumatic Tool Company of 6 West 44th street, New York, and, commenting upon its recent production, they say:

"The splendid performance results that have attended the application of the direct-connected, synchronous motor to air-compressors of the larger capacities have stirred motor manufacturers to unusual activity in developing synchronous motors suitable for driving compressors of smaller size. Until very recently the high, first cost of the small direct-connected motor placed it at a great disadvantage in competing with belted induction motors. This handicap was largely due to the weight per horsepower of the synchronous motor, which ascended very rapidly in the smaller sizes."

"In order to overcome the disadvantages of the present general construction there has been designed a line of synchron-



SIDE VIEW OF COMPRESSOR.

ous motors known as the 'flywheel type,' which are especially adapted to single straight-line air-compressor operation. This motor is designed with the rotating element outside the stator. The stator is mounted in a cradle support bolted to the compressor frame. This cradle support is bored concentric with the compressor bearing to assure perfect alignment of the stator and a uniform air gap when assembled. The rotor presents the appearance of an ordinary flywheel. Its face is crowned for driving an exciter or other auxiliary, while on the inner surface of the rim are mounted the poles, adding flywheel effect, of which there is an abundance."

It is further explained that the mechanism is such that little trouble may be expected from the air-gap source; also that the weight, and consequently the cost, of the motor has been greatly reduced.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Ala., Gadsden—State Highway Comm., Montgomery, receives bids June 3 for bridge over Coosa River at Broad St., 1352 ft. concrete, 12 spans; estimated cost \$350,000.*

Ark., Little Rock — Arkansas-Missouri Highway Dist. will build 2 bridges. See Road and Street Construction.

Fla., Delray—Palm Beach County Comms., West Palm Beach, plan 60-ft. span double traffic bridge over Florida East Coast Canal and Transportation Co.'s canal at Atlantic Ave.; voters May 12 on \$60,000 bonds; Fred E. Fenno, Clk.

Fla., Miami—Dade County Comms. let contracts to Geo. O. Reed, Inc., and Cromer & Ebbsay, both Miami, to construct steel draws and widen causeway.

Fla., Mulberry—Polk County Comms., Bartow, let contract to C. T. Dawkin, 2020 Myra St., Jacksonville, and Lakeland, at \$26,764 for 450-ft. Nichols Bridge about 2 mi. from Mulberry.

Georgia—State Highway Comm., East Point, will build 6 bridges and culverts. See Road and Street Construction.

Ga., Dublin—Laurens County Bond Comm., J. M. Finn, Chmn., plans concrete bridge over Hunger and Hardship Creek.

Kentucky—State Highway Comm., Frankfort, received bids for 6 bridges. See Road and Street Construction.

Miss., Hazelhurst—Copiah County Board of Supvrs. plans building cement and steel bridge across Copiah Creek, 2 mi. south of Georgetown.

Miss., Yazoo City—Yazoo County Board of Supvrs. let contract to Williams Engineering Service, Inc., to repair bridge across Yazoo River.

Missouri—State Highway Dept., Jefferson City, let contracts for 22 bridges: Barry County, over M. & N. A. R. R., on road from Seligman north and south, M. E. Gillioz, Monett, \$7410; Dallas County, on road from Branch to Buffalo, M. E. Gillioz; over Hunas Branch; over Little Niagua River, \$16,440; over Coatney Branch; Gasconade County, on road from Jefferson City to St. Louis, Stonner & Deering, Chamois; over Second Creek, \$10,047; over Schulte Creek, \$6257; Jackson County, over Big Blue River on road from Kansas City to Waverly, Pittsburg-Des Moines Steel Co., Des Moines, Iowa, \$19,242; Jasper County, from Asbury to Joplin, Independent Construction Co., Pittsburg, Kansas; 3 over streams; over Spring River, \$37,881; over White Oak Creek, on road from Carthage east, A. G. Sherwood, Independence, Kansas, \$14,387; over Turkey and Center Creeks on road from Webb City to Carterville, C. L. Williams, Monett.

In Jefferson County, over M. R. & B. T. R. R. tracks, on road from St. Louis to Sikes-ton, Stonner & Deering, Chamois; Lafayette County, on road from Kansas City to Waverly, A. A. Davis, Grain Exchange Bldg., and E. S. Wells, 1416 W. 20th St., Oklahoma City; over stream, \$11,711; over stream, \$6878; over Little Sniabar Creek, \$17,695; Perry County, over Kochs Creek, on road from Longtown to Unlontown, Richmond Construction Co., Advance, \$5533; St. Francois County, over M. & T. R. R. tracks, on road from Jefferson City to St. Louis, Stonner & Deering, Chamois; St. Genevieve, over Aux-vasse Creek, on road from St. Genevieve south, Public Works Construction Co., St. Louis, \$29,594; over Saline Creek, \$32,840; Wright County, over Whetstone Branch, on road from Mansfield to Mt. Grove, Summerfield Jones, Billings, \$15,696.

Mo., Jefferson City—Cole County plans repairing 6 bridges in various road districts: Koehler, McCann, Tanner, Schneiders, Rock House, Taylor. Address County Judge Bode.

Mo., St. Joseph—Burlington R. R., A. E. Newton, Ch. Engr., Chicago, receives bids May 1 for steel and concrete viaduct over S. Sixth St.; let contract to St. Joseph Structural Steel Co., at \$25,000, to furnish and fabricate steel for structure; total cost \$140,000.

N. C., Greenville—Piedmont & Northern R. R., E. B. Hardin, Auditor, Charlotte, plans building 2 creosoted overhead bridges between Greenville and Greer.

Oklahoma—State Highway Comm., Oklahoma City, will build 8 bridges. See Road and Street Construction.

Tenn., Greeneville—Greene County Court is considering building bridge across Nolachuckey River, near site of present Bird's Bridge; J. S. White, County Chmn.

S. C., Charleston—Charleston County Sanitary & Drainage Comm. let contracts for steel and concrete bridge over Wappo Creek, between St. Andrew's Parish and James Island; substructure, Salmons-Clement Co., 9 State St., Charleston, \$76,370; superstructure, Austin Bros. Bridge Co., Dallas, Tex., \$23,402.*

Tenn., Memphis—Shelby County Comms., E. W. Hale, Chmn., receives bids May 1 to fill in various small bridges and raise levees near Collierville and Fisherville, 12,000 cu. yd.; plans on file.

Tenn., Savannah—City let contracts to R. R. Bedwell for 5 concrete bridges: 40 ft. 80 ft., 104 ft., 170 ft. and 252 ft. spans. Address City Clk.

Tex., Houston—Port Comm. let contract to R. & P. Construction Co. at \$16,384 for bridge across Sims Bayou to replace present one.

W. Va., Charleston—Kanawha County plans building or purchasing 4 bridges; contemplates \$1,750,000 bond election. Address County Comms.

Canning and Packing Plants

Ark., Jacksboro—J. B. Orr, Killian Co., will erect canning plant on Word Ave.

Fla., Canal Point—J. E. Overstreet, Wheeler Valley Canning Co., Princeton, will establish canning plant.

Fla., St. Petersburg—Milne-Berry Packing Co., capital \$100,000, incorporated; A. R. Milne, Pres.; E. C. Allen, Sec., 426 7th Ave., N.

Mo., Ellington—C. C. Camden interested in canning plant.

Mo., Forsyth—Forsyth Canning Co., incorporated; J. R. Gideon, J. C. Root.

N. C., Sevierville—Pigeon Ford Canning Co., capital \$16,000, incorporated; A. F. Scott, James Murray.

Tenn., Cookeville—Roberts Bros., 918 Fells St., Baltimore, Md., contemplate erecting canning plant.

Clayworking Plants

Ala., Cordova—L. L. Stephenson of Stephenson Brick Co., 2027 4th Ave., N. Birmingham, lately noted to have acquired 1600 acre site for erection of brick plant, wires that new plant will manufacture buff stiff mud-face brick, also manganese grays, \$300,000 investment; 1600 acres clay land purchased.*

Miss., Jackson—Johnson-Cone Brick Co., capital \$30,000, incorporated; O. S. Johnson, W. Captain St.; S. T. Cone.

Tex., San Antonio—San Antonio Sewer Pipe Co., Bedell Bldg., let contract to N. A. Saigh Co., Gibbs Bldg., at \$29,000 to construct standard gauge railway line from fac-

tory to clay pits at Sasapamco; Hans Helland, Engr., Maverick Bldg.

W. Va., Princeton—Virginian Brick Co., capital \$100,000, incorporated; E. W. Hale, D. T. Carr.

Coal Mines and Coke Ovens

Ala., Birmingham—Peerless Cahaba Coal Co., changed name from Helena Straven Coal Co.

Ala., Tuscaloosa—The Alco Coal Co. let contract to the Tuscaloosa Contracting Co. for 600-ft. trestle.

Tex., Dallas—Penniman Coal Co., capital \$25,000, incorporated; Harry Penniman, Sr., 3000 Junius St.; Bruner S. Penniman.

Va., Lynchburg—Rivermont Coal Co., capital \$15,000, incorporated; W. L. Hall, Pres., 219 Denver Ave.; H. C. Isbell, Sec.

W. Va., Morgantown—The Almina Coal Co., incorporated; Ernest Gilbert, Raymond M. Davis, Monongahela Bldg.

Concrete and Cement Plants

Va., Alexandria—Stressbilt Tile Co., R. H. Denham, office 907 Fifteenth St., N. W., Washington, D. C., have nearly completed 60x100-ft. plant; concrete floors, asphalt roof, construction by owners; install \$12,000 machinery, including tile machines, mixers, conveyors, etc.; all purchased.*

Cotton Compress and Gins

Okla., Dill—W. R. Hutton, Leedy and C. C. Baker, Elk City, acquired gin and will install machinery.

Okla., Manitou—Farmers Gin Co., capital \$25,000, incorporated; C. C. Hanes, Ira Holland.

Okla., McAlester—McAlester Farmers Gin Co., capital \$18,000, incorporated; J. S. Spencer, C. T. Bogard.

Okla., Sperry—J. Sharp of Muskogee will construct cotton gin.

Tex., Bartlett—Texas Compress Co., Dallas, acquired cotton compress.

Tex., Dallas—Clarson Gin Co., capital \$25,000, incorporated; J. P. Clark, 1519 Holly St.; D. E. Clark.

Tex., Malakoff—Cross Roads Gin Co., capital \$75,000, incorporated; H. L. Flagg, W. A. Hawn.

Drainage and Irrigation

Ark., Fort Smith—Whitesides Lake Drainage Dist. Comms. let contract to H. C. Parmaie, 2221 S. X St., for drainage ditch, backwater gate and bridge, reclaiming land in Crawford County.

Electric Light and Power Plants

Ala., Alabama City—City let contract to Alabama Power Co., Brown-Marx Bldg., Birmingham, for street lighting system.

Alabama—Arkansas Power & Light Co., A. G. Whidden, Pine Bluff, Ark., reported to have applied to Federal Power Commission for permission to construct hydro-electric plant at Colbert Shoals; develop 100,000 h.p.; cost \$10,000,000; wire from A. G. Whidden states that Ford, Bacon & Davis, Engrs., 115 Broadway, New York City, are handling the Colbert Shoals project.

Ala., Haleyville—Alabama Power Co., Thos. W. Martin, Pres., Brown-Marx Bldg., Birmingham, reported to construct high-power transmission line from Gorgas-Sheffield line to Haleyville; have acquired steam plant.

Ala., Muscle Shoals—U. S. Engineers Office at Wilson Dam reported to have called for bids for construction of transmission line

CONSTRUCTION DEPARTMENT

from power house to U. S. Nitrate Plant No. 2, including installation of circuit breakers and other apparatus; transmission line will be 2 miles long, permanent construction, with carrying capacity of 100,000 kw.; Col. George R. Spaulding, Engr. in charge.

Ala., Opelika—Chattahoochee Power Co., capital \$50,000, incorporated; J. F. Stallings, F. M. Houston.

Ark., Sheridan—Arkansas Light and Power Co., Pine Bluff, Ark., advises are not contemplating any extensive improvements at Sheridan at this time.*

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Boynton—See Land Development.

Fla., Jacksonville—See Land Development.

Fla., Gainesville—See Land Development.

Fla., Lakeland—City let the following contract for improvements and extensions to city power station: to W. T. Hadlow, Jacksonville, for construction; to Chicago Bridge & Iron Co., Atlanta, Ga., for 2 fuel oil tanks; to Brooks-Fisher Co., Atlanta, Ga., for changes in oil burners and boiler brick work; postponed award for manufacture and erection of 2 water tanks.

Fla., Miami—See Land Development.

Fla., Miami—City granted 30-year franchise to Miami Electric Light and Power Co. and Miami Water Co.

Fla., Ocala—See Land Development.

Fla., Okeechobee—See Land Development.

Fla., Panama City—See Land Development.

Fla., Palmetto—City contemplates installing electric light plant. Address City Council.

Fla., Sebring—See Land Development.

Fla., Sebring—G. T. Nelson, Lakeview Place Corp., interested in extension of electric light and water works.

Fla., St. Augustine—See Land Development.

Fla., West Palm Beach—See Land Development.

Ga., Louisville—City let contract to General Electric Co., Schenectady, N. Y., for white-way system.

Ga., Macon—See Land Development.

Ky., Mt. Sterling—City Council considering installation of white-way system on Main St.; work by Kentucky Utilities Co.

Maryland—Northern Maryland Electric Co. care of Draper, Carey & Hall, Attorneys, Calvert Bldg., Baltimore, applied to Public Service Comsn. Munsey Bldg., Baltimore, for permission to construct light and power lines in Harford and Cecil counties.

Md., Baltimore—M. S. Levy & Sons, Inc., Lombard and Paes Sts., will erect \$30,000 power plant; 1 story, brick, 60x73 ft.; Joseph Evans Sperry, Archt., Calvert Bldg.; Masen-Criley-Brady, 308 W. Madison St., Builders.

Miss., Meridian—Southeastern Power and Light Co., Thos. W. Martin, Pres., Brown-Marx Bldg., Birmingham, Ala., reported to have acquired electric light, power, street railway and gas properties of Meridian Light and Power Co. and its subsidiaries.

Mo., Portageville—Arkansas-Missouri Power Co., Charles H. Ragland, Gen. Mgr., Poplar Bluff, acquired power plant.

N. C., Asheville—Carolina Mountain Power Co., incorporated; C. W. Tillett, Jr., D. W. Spencer.

N. C., Durham—See Water Works.

N. C., Roanoke Rapids—Roanoke Rapids Power Co. reported interested in development of 25,000 h. p. plant.

Okl., Spavinaw—Spavinaw Power and Ice Co., capital \$25,000, incorporated; Dr. W. H. Case, W. E. Kay.

S. C., Gray Court—J. Archer Willis, Greenville, will erect power plant to supply lights, construction by owners. (See Machinery Wanted—Electric Light Plant Equipment.)

S. C., Parr Shoal—DeLay Roofing and Cornice Co., Columbia, has contract for roof steam plant of Broad River Power Co., at Parr Shoals.*

S. C., York—City voted to sell electric light and power system to Southern Public Utilities Co., Charlotte, N. C.; will improve.*

Tenn., Humboldt—City voted \$75,000 bonds. Address The Mayor.*

Tex., Houston—H. L. Washburn, County Auditor, Court House, reported as receiving bids for transformer station; including electric equipment, transformers.

Tex., Lone Oak—J. W. Pinkston, Celeste, acquired Lone Oak electric light plant.

Tex., Rockport—City, L. F. Bailey, Mgr.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Manufacturers Record

will construct brick and concrete electric light plant.

Va., Bedford—Town, R. W. Catlin, Mgr., will install additional generators and water wheels, machinery and paving head race, concrete; extend building; construction to begin in about 30 days; cost \$63,000; Wm. C. Whitner & Co., Contr. Engrs., Richmond. (See Machinery Wanted—Hydro-Electric Generating Equipment.)

Va., Galax—Pinnacle Power Co. incorporated; J. K. Caldwell, Pres.; N. M. Ward, Sec.

Va., Harrisonburg—City Council authorized \$75,000 addition to power plant; install 1000 kw. unit.

Va., Luray—Page Power Co. reported to install 2200 h.p. unit; build auxiliary steam plant.

Va., Winchester—See Land Development.

W. Va., Bethany—West Penn Power Co. reported to extend electric lines from Wheeling to Bethany.

W. Va., Huntington—Board of Commrs. opens bids May 8 for monolite system. (See Machinery Wanted—Monolite System.)

Fertilizer Plants

Md., Baltimore—Home Fertilizer Co., Inc., 1009 Calvert Bldg., chartered; Wm. P. Crenshaw, Wm. J. O'Brien.

Flour, Feed and Meal Mills

Tex., Fort Worth—Fort Worth Grain and Cotton Exchange, G. E. Cranz, Pres., will erect \$500,000 building.

La., Shreveport—Shreveport Grain and Elevator Co., capital \$250,000, incorporated; Frank Davis, Pres., Marshall, Tex.; L. B. Finley, Sec.

Mo., St. Louis—Marshall Hall Grain Co., 206 Merchants Exchange, reported to have acquired elevators and mills of Kehlor Flour Mills Co.

Tex., Fort Worth—Gladney Grain Co., capital \$10,000, incorporated; Sam Gladney, Mgr., 521 Neil P. Anderson Bldg.

Foundry and Machine Plants

Ala., Birmingham—National Cast Iron Pipe Co. increased capital, \$500,000 to \$1,000,000.

Ky., Ashland—Ashland Culvert Works, E. H. Wuerdeman, Mgr., installing machinery in new plant, manufacture Armclo ingot iron culverts and flumes.

Mo., Kansas City—Easton Car & Construction Co., incorporated; E. S. North, 1127 Scarratt Bldg.; Thos. R. Hunt.

Tenn., Memphis—The Wm. B. Powell Sanitary Street Cleaning Co., Inc., 1411 Central Bank Bldg., capital \$50,000, chartered; W. B. Powell, J. O. Boatright; manufacture street cleaners.

Tex., Dallas—Atlanta Plow Co., Clyde L. King, Pres. Atlanta, Ga., reported, contemplating establishing \$1,000,000 plant to manufacture plows and other agricultural implements.

Tex., Harrisburg—The Harrisburg Pipe & Pipe Bending Co. let contract to J. B. Townsend, Capitol and St. Emanuel Sts., Houston, for \$15,000 steel and hollow tile building on Winter St.

Va., Roanoke—Road Machinery Manufacturing Corp., capital \$15,000, chartered; Ferguson Bowman, Pres., 1027 Ferdinand Ave. S. W.; Chas. L. Gravatt, Sec.

Gas and Oil Enterprises

Ark., El Dorado—Winghu Petroleum Co., capital \$10,000, incorporated; E. E. Winger, Dr. F. Hugus.

Ark., El Dorado—Tenable Oil Co., capital \$200,000, incorporated; H. L. Hunt, Pres.; Lydia Hunt, Sec.

Ga., Macon—See Land Development.

La., Alexandria—Alexandria-Urania Oil Co., capital \$25,000, incorporated; Dr. Marvin Cappell, Pres.; Earl Freeman, Gen. Mgr.

La., Ruston—Ruston Drilling Co., capital \$200,000, incorporated; T. L. James, Pres.; B. H. Rainwater, Sec.

La., Shreveport—Standard Pipe Line Co., Raymond Bldg., Baton Rouge, reported to construct 100 mile pipe line from Smackover field to point on Mississippi River; cost about \$1,000,000. *

La., Shreveport—V. S. and P. Drilling Co., incorporated; W. C. Saunders, C. G. Vaugh.

Md., Cumberland—Petroleum Development Co., capital \$100,000, incorporated; Wm. B. Robb, F. Clement Deneen.

Mo., Ironton—Pringle-Benner Petroleum Co., incorporated; R. M. Pringle, Fred C. Benner, both St. Louis.

Mo., Kansas City—Mutual Oil Co., incorporated; Geo. F. Smith, Pres.; R. F. Armstrong, Sec.

Mo., Kansas City—Mid-State Petroleum Co., capital \$250,000, incorporated; Turner W. Reid, 615 Rialto Bldg.; Edmond A. Smith.

Mo., St. Louis—Elco Petroleum Co., 1308 N. Grand Blvd., capital \$50,000, incorporated; Edward A. Grone, A. J. Walsh, 6168 McPherson Ave.

Okla., Blackwell—Information from Connor & Son Construction Co., 814 New York Life Bldg., Kansas City, Mo., contractors for Empire Gas & Fuel Co.'s pipe line from Dilworth, Okla., to Wichita, Kan., states that work is being done by own organization; oxygen and acetylene for welding purposes furnished by Linde Air Products Co., 30 E. Forty-second St., New York, and welding rods by Reid-Avery Co., Twenty-first St. and Washington Ave., Phila., Pa.; construction to begin May 1.*

Okla., Bristow—Canterbury Oil and Gas Co., capital \$100,000, incorporated; Ed O'Rourke, A. T. Allison.

Okla., Elk City—City votes May 12 on granting natural gas franchise. Address The Mayor.

Okla., McAlester—Doss-McAlester Royalty Co., capital \$100,000, incorporated; C. O. Doss, Oil Liberty Natl. Bank Bldg., Oklahoma City.

Okla., Oklahoma City—Southern Core Drilling Co., capital \$150,000, incorporated; John S. Redsfeld, Norman; Paul G. Dorough, Atty., Term Bldg., Oklahoma City.

Okla., Tulsa—Cobra Oil Co., capital \$70,000, incorporated; Russell Cobb, Calvin Jones, Oklahoma City.

Okla., Tulsa—Cosgrave Oil Co., capital \$20,000, incorporated; Guy E. Vaughn, 411 S. Olympia St.; A. C. Toole.

Okla., Tulsa—Tulsa Wardville Oil and Gas Co., capital \$100,000, incorporated; Robert Maybler.

Tenn., Knoxville—Knoxville Gas Co., 715 S. Gay St., A. W. Young, V. P., will expend \$25,000 for extension of gas mains along Kingston Pike.

Tex., Amarillo—Globe Oil Co., capital \$53,000, incorporated; R. T. Emmett, John B. Gilvin.

Tex., Austin—Humphreys Corp., Col. A. E. Humphreys, Pres., Charleston, W. Va., increased capital to \$10,000,000.

Tex., Austin—Autex Refining Co., capital \$10,000, incorporated; A. C. Baldwin, I. C. Miller, 3007 West Ave.

Tex., Beaumont—Island Oil Co. increased capital to \$11,000.

Tex., Cameron—Owens Refining Co., reported to have acquired holdings of Southern Pipe Line Corp., Rockdale.

Tex., Conroe—Pine Oil Co., capital \$20,000, incorporated; Henry Thompson, W. N. Foster.

Tex., Eastland—J. E. Lewis reported acquired El Dorado Gas and Oil Co.'s plant and pipe lines.

Tex., Houston—Deepwater Refineries, First National Bank Bldg., reported acquired plant of LaPorte Oil and Refining Co. at Morgan's Point.

Tex., Palestine—Palestine Petroleum Co., capital \$30,000, incorporated; George M. Wellborn, W. M. Hamilton.

Va., Richmond—Department of Public Utilities let contract to Western Gas Construction Co., Fort Wayne, Ind., for water gas generating set; to Bass Foundry and Machine Co., Fort Wayne, Ind., for boiler.*

W. Va., Hamlin—Union Oil & Gas Co., E. J. Elkins, have several hundred acres of oil and gas lands; will develop.*

W. Va., Mullens—C. H. Mead, Pres. Faith-Smokeless Coal Co., Glen Morrison, plans constructing natural gas pipe line.

W. Va., Martinsburg—Southern Gas & Power Co., Walter Whetstone, Pres., 940 N. Front St., Phila., Pa., will expend \$35,000 for construction of steel tank gas holder at plant of Martinsburg Heat and Light Co. on E. John St.; capacity 150,000 cu. ft. of gas; 66 ft. in diam; Stacey Bros Gas Construction Co., Sta. P., Cincinnati, Ohio, and Raymond Concrete Pile Co., 140 Cedar St., New York City, Contrs.*

Ice and Cold-Storage Plants

Ala., Opp—Opp Ice & Fuel Co., G. M. Spearman, has new building, installed 12-ton ice plant, equipment furnished by Frick Co., Waynesboro, Pa.; Allis-Chalmers Banfac-

turing Co., Milwaukee, Wis.; Armstrong Cork & Insulation Co., Candler Bldg., Atlanta, Ga.*

Ark., El Dorado—The Home Ice Co., capital \$50,000, incorporated; C. P. McHenry, G. E. Black.

Fla., Miami—Southern Utilities Co., C. F. Rhoads, local mgr., reported to expend \$150,000 on improvements to both ice making and ice cream plants; install equipment increasing daily output from 200 to 350 tons ice and from 500 gal. to 1000 gal. ice cream; company has fourteen other plants in state.

Fla., Sebring—Edward S. Beebe of Day-tona has acquired the Sebring Ice Co.'s plant; will operate.

Ga., Augusta—Electric Ice & Coal Co., capital \$8000, incorporated; A. N. Catrevas, Charles Ballos.

Miss., Clarksdale—The Crystal Ice & Fuel Co., capital \$25,000, incorporated; W. W. Pointer, Clarksdale; E. B. Wright, Indianola.

N. C., Charlotte—Yarbrough & Bellinger Co., 300 S. Graham St., and its allied company, the Mecklenburg Dairy Co., J. A. Yarbrough, Pres., contemplates expending \$300,000 on improvements; work includes \$75,000 branch ice factory in North Charlotte, similar branch at Hutchinson Ave. and Derita Rd. and present and projected addition to plant on E. Fourth St., costing about \$150,000; portion of work reported to begin next week.

Tex., Denton—The New Ice Co., capital \$50,000, incorporated; Wm. McKemie, Jr., R. H. Roark.

Tex., Harrisburg—Butcher Bros. Ice Co., Inc., capital \$20,000, chartered; E. D. Butcher, J. E. Butcher.

Iron and Steel Plants

W. Va., Weirton—The Weirton Steel Co. has plans under way for new tube mill, monthly capacity of 10,000 to 12,000 tons; also contemplates building docks for both inbound and outbound vessels.

Land Development

Ala., Anniston—Anniston Country Club, Stokely M. Caudle, Pres., will issue \$50,000 bonds; acquire 34 additional acres of land, extend golf course.

Ala., Birmingham—Waverly Land Co., incorporated; S. F. Leslie, Edgewood St.; M. E. Proctor.

Ala., Birmingham—E. R. McDavid, Jr., Agency, Inc., chartered; E. R. McDavid, Jr., 108 N. 21st St.; F. H. McDavid.

Ala., Birmingham—Juba Realty Co., incorporated; Omer Brasher, American Trust Bldg.; Jno. B. Carr.

Ala., Birmingham—Holmes Avant Realty Co., incorporated; W. V. Holmes, Byron Avant.

Ala., Huntsville—Tracy W. Pratt and Quincy B. Love, Sec., interested in development of 248 acres for golf course.

D. C., Washington—Rock Creek and Potomac Parkway Comsn. contemplate improving Rock Creek and Potomac Parks; C. O. Sherrill, Director Public Parks and Buildings.

Fla., Arcadia—Melton-Rodgers Co., capital \$100,000, incorporated; J. E. Melton, W. S. Rodgers, both Lakeland, acquired 40 acres; develop subdivision, install water, sewers, electric lights, roads.

Fla., Avon Park—Reinhold Anderson, Southern Planing Mill Co., W. B. Wilcox, Pres., L. B. Wilcox Co., both Louisville, Ky., acquired tract and will develop subdivision; install roads and streets, water, sewers, electric lights.

Fla., Avon Park—W. L. Lyon, St. Petersburg, Geo. E. Deitz, 10013 Ave. N., Chicago, Ill., will develop West Avon Park, tract of 11,000 acres of farm and much lands; let contract for dredging 30 acre fresh water lake, construct highways and roads; construct electric line; install water, sewers.

Fla., Bartow—John R. Van Fleet, Boston, Mass., Landscape Archt., is preparing preliminary surveys for golf course.

Fla., Boynton—Frank J. Nutting sold to Miami capitalists tract of 15 acres; develop subdivision; install water, sewers, electric lights, roads.

Fla., Bushnell—John O'Hara, R. V. Goulet, Danbury, Conn., interested in development of subdivision.

Fla., Bushnell—Sunland Estates, Inc., has engaged Cresson E. Finch, Landscape Archt., to plan development of subdivision, golf course.*

Fla., Bushnell—Howard E. Rohn, Orlando, acquired 810 acres land.

Fla., Bushnell—Dr. J. R. Pennington, T.

C. Barlow, Roanoke, Va., acquired 20 acres develop subdivision.

Fla., Bushnell—F. J. Carruthers, Tampa, acquired and will develop 13 acres for subdivision.

Fla., Coleman—S. A. Witz, Cocoa, acquired 10-acre tract; develop subdivision.

Fla., Fernandina—F. W. Sadler of West Palm Beach acquired tract of 324 acres with 6260 ft. on Atlantic Ocean and will develop Amelia Island subdivision.

Fla., Fort Lauderdale—Clark-Powell, Inc., chartered; Kenneth S. Clark, Robert J. Powell; develop subdivision.

Fla., Fort Lauderdale—C. C. Refner, Golf Archt., Chicago, Ill., retained as architect for municipal golf course.

Fla., Fort Myers—Sunland Beach Co., capital \$10,000, incorporated; W. E. Cogdell, Pres.

Fla., Fort Pierce—Colonial Land Co., B. N. B. Miller, Pres., 502 Citizens Bank Bldg., Palm Beach, will develop 166 acres for subdivision; install roads, water, sewers.

Fla., Fort Pierce—Henry W. Heilman, Mgr., Levi Smith Refining Co., Clarendon, Pa., acquired 30-acre tract on Orange; develop subdivision.

Fla., Gainesville—W. S. Westmoreland, Gen. Mgr., Florida-Cleveland Land and Development Co., plans development of Riverview subdivision at High Springs; clear river bed, install water, sewers, electric lights, roads, build hotel.

Fla., Haines City—C. L. Harrison, Mgr. for Chicago, Ill., syndicate, interested in development of 500 acres for subdivision and golf course; Styles & Van Kleeck, Landscape Archts., Boston, Mass.

Fla., Homestead—DeSoto Development Co., capital \$40,000, incorporated; C. B. Alsobrook, Pres.; E. L. Lawrence, Sec.

Fla., Jacksonville—S. Permenter Realty & Mortgage Co., capital \$100,000, incorporated; S. Permenter, 1916 Laura St., Pres.; J. C. Mattox, Sec.

Fla., Jacksonville—J. L. Cater Realty Co., J. L. Cater, Pres., will develop 25 acres for subdivision; construct roads and streets, install water, sewers and electric lights.

Fla., Jacksonville—Lippman Investment Co., capital \$600,000, incorporated; Gabe Lippman, Pres., 524 Hogan St.; Eugene Hale, Sec.; reported to have acquired 2150 acres land between Pablo Beach and Pablo Creek; develop subdivision, install roads, water sewers, electric lights, 18-hole golf course, venetian pool, yacht basin; expend about \$10,000,000.

Fla., Jacksonville—Jacksonville Tennis Corp., capital \$10,000, incorporated; A. C. Somman, Pres.; Carey S. Johnson, Sec.

Fla., Jacksonville—H. M. Biser acquired 20 acre orange grove, will develop.

Fla., Key West—Gulf Keys Realty Co., capital \$10,000, incorporated; Arthur M. Brown, Pres.; Charles E. Smith, Sec.

Fla., Madison—W. P. Ellis and Walter Wade will develop 40 acres on Lake Frances for subdivision.

Fla., Melbourne—Central Realty Co., capital \$10,000, incorporated; A. K. O'Haver, Pres.; R. M. O'Haver, Sec.

Fla., Miami—Honduras Investment Co., capital \$100,000, incorporated; W. L. Reed, Pres.; Louise Reinecke, Sec.

Fla., Miami—Commercial Buena Vista Dev. Assn., A. D. H. Fossey, Pres., is developing Buena Vista subdivision; install water, sewers, electric lights, sidewalks, widen streets.

Fla., Miami—Oscar D. Cass, Denver, Col., John M. Demarest, Palm Beach, acquired Hillsborough Beach, tract of 120 acres; develop subdivision.

Fla., Miami—Universal Development Co., capital \$25,000, incorporated; Geo. D. Bailey, Pres.; Orlie E. Tussing, Sec.

Fla., Miami—Thos. L. Holland Co., capital \$100,000, incorporated; Thos. L. Holland, Pres.; K. Mozley, Sec.

Fla., Miami—Gage Holding Co., capital \$100,000, incorporated; S. L. Gage, Pres., 227 N. E. 3rd St.; E. A. Watson, Sec.

Fla., Miami—Nomis Realty Co., capital \$10,000, incorporated; R. P. Terry, Pres., Poinsettia Hotel; M. J. Hogan, Sec.

Fla., Miami—P. G. Development Co., capital \$25,000, incorporated; J. J. Smith, Pres.; T. J. Fleming, Sec.

Fla., Miami—Key Largo City Properties, capital \$1,000,000, incorporated; J. P. Simmonds, Pres.; Charles L. Ort, Sec., 115 E. Flagler St.

Fla., Miami—Atlantic Realty & Securities

Corp., capital \$50,000, incorporated; C. F. Holcomb, Pres.; J. E. Shuey, Sec.

Fla., Miami—Korn Realty Co., capital \$100,000, incorporated; Samuel S. Korn, Pres.; Arthur I. Korn, Sec.

Fla., Miami—Miami Acreage Corp., incorporated; Ray L. Parker, Pres., 452 N. E. 30th St.; E. M. Mattis, Sec.

Fla., Miami—Consolidated Realty & Securities Co., capital \$10,000, incorporated; C. E. Halcomb, Pres.; J. E. Shuey, Sec.

Fla., Miami—Florida Development Co., 716 First Natl. Bank Bldg., capital \$25,000, incorporated; George D. Bailey, Pres.; has 1520 acres, will develop 1000 for farming; install roads and water; expend \$20,000.

Fla., Miami—John J. Hutcheson, Inc., chartered; John J. Hutcheson, Pres.; John G. McKay, Sec.

Fla., Miami—Coral Pines, Inc., chartered; Joseph Colter, Pres.; Stanley Colter, Sec.

Fla., Miami—Lowndes Realty Co., capital \$35,000, incorporated; James F. McCracken, Pres.; J. B. Copeland, Sec.

Fla., Miami—Mandalay Corp., capital \$150,000, incorporated; George Whyel, 264 N. E. 17th St., Pres.; Fred Ingle, Jr., Sec.

Fla., Miami—Ivar Axelson & Co., 134 N. E. 1st St., reported interested in development of 7544 acres on the gulf.

Fla., Miami—Miami-Palmdale Realty Co., capital \$10,000, incorporated; Howard L. Loewenherz, Pres.; Milton Eisenstein, sec.

Fla., Miami—Coral Pines, Inc., incorporated; Joseph Colter, Pres.; Stanley Colter, Secretary.

Fla., Miami—Wm. P. James, Detroit, Mich., acquired 3 acres, develop Gordon Dale Park, subdivision.

Fla., Ocala—Charles H. Fankhauser, New York E. B. Overshiner, Chicago, Ill., and associates reported to have acquired tract of 2500 acres at Silver Springs and will develop subdivision; 18-hole golf course, clubhouse, flying field, establish commercial air transportation, install water, sewer, electric lights, roads.

Fla., Ocala—Pennsylvania-Florida Development Co., capital \$300,000, incorporated; B. P. McCurdy, Pres.; F. H. McCurdy, Sec., both Pittsburgh, Pa.

Fla., Okeechobee—Company will be organized with Edward U. Roddy, Pres., West Palm Beach; Jules Burguiere, Sec., capital \$25,000, to develop 21,000 acres for farming.

Fla., Okeechobee—R. E. Hamrick will develop 90 acres of land for subdivision; construct streets, install electric lights.

Fla., Okeechobee—G. R. Millard, Miami, is developing 22,500 acres on State Road; will expend \$30,000 for paving at Harding City, townsite located on this tract.*

Fla., Orlando—Chewning-Key Realty Co., C. W. Chewning, Pres., is developing Killarney Estates, subdivision; are installing 20-ft. brick streets with raised curb, water and lights, construct bathing pier.* (See Machinery Wanted—Bathing Pier.)

Fla., Orlando—J. P. Holbrook Co., 105 Lucerne Circle, has sold to Cincinnati capitalist 80 acres; will develop subdivision.

Fla., Palatka—Edgewater Realty Co., Thurston Roberts, Pres., will develop about 3500 acres in camphor trees, 60 acres in orange grove.*

Fla., Palm Beach—Franklyn Realty Co., incorporated; F. A. Glidden, Pres.; Julia H. Glidden, Sec.

Fla., Panama City—Bayside Realty Co., capital \$100,000, incorporated; C. S. Russ, Pres.; will develop 112 acres of land on Beach Drive for subdivision; install electric lights, sewers, water, roads and streets; cost \$40,000; Powe & Williamson, Archts., Dothan, Ala.*

Fla., Plant City—M. E. Moody, Dr. C. T. Young, interested in development of 9-hole golf course.

Fla., Plant City—Dr. C. T. Young R. M. Morgan interested in development of 9-hole golf course.

Fla., Pensacola—George W. Pryor and T. G. Letch, Greensboro, N. C., acquired 164 acres of land; develop subdivision.

Fla., Pompano—Florida Enterprises, Inc., L. N. Conrad, Gen. Mgr., Miami, will develop 60 acres on Ocean Drive Estate.

Fla., Punta Gorda—Cogdell Development Co., capital \$500,000, incorporated; W. E. Cogdell, Kelly Kash.

Fla., Sanford—Britt-Chittenden Realty Co.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

capital \$10,000, incorporated; Joe D. Chittenden, Pres.; C. L. Britt, Sec.

Fla., Sarasota—C. P. Ramsey acquired tract of land; develop subdivision.

Fla., Sarasota—A. A. Wren, Bristol, Tenn., interested in organizing \$300,000 syndicate to develop Vamo.

Fla., Sebring—Vincent S. Hall will develop 2000 acres of land for subdivision on Lake Jackson; let contract to A. E. Withers for clearing and grubbing; establish nursery; erect community clubhouse; install water, sewers, electric lights, roads.

Fla., Sebring—Lake Letta Estates, capital \$20,000, incorporated; Wm. Evans, Pres.; J. Clagett Taylor, Sec.

Fla., St. Augustine—Wm. F. Brown, 24 Cathedral Pl., and associates acquired 44-acre tract; will develop.

Fla., St. Augustine—W. M. Blackwell and Edward E. Warwick of H. B. Schulte Realty Co. have acquired 37 acres on Anastasia Island; develop subdivision; install water, sewers, roads, electric lights.

Fla., St. Augustine—Michigan-Florida Land Co., George M. Coburn, representative, acquired and will develop 1426 acres of land at Tocoi; develop subdivision.

Fla., St. Petersburg—Suwanee Holding Co., capital \$25,000, incorporated; Charles L. Snyder, Pres., 9 4th St., N.; R. W. Leverett, Sec.

Fla., St. Petersburg—Teas-Drake Development Co., capital \$55,000, incorporated; W. C. Teas, Pres.; A. J. Korabeck, Sec.

Fla., St. Petersburg—See Miscellaneous Construction.

Fla., Tampa—Coral State Realty Corp., capital \$25,000, incorporated; Ernest V. Moore, Pres.; Bernard F. Borchardt, Sec.

Fla., Tampa—Florida Sunshine Realty Co., incorporated; Joseph M. Greenburg, Pres.; Robert Fineberg, Sec.

Fla., Tampa—Mrs. B. Mickler and M. P. Mickler acquired 142 acres at Gadsden Point, with frontage on Hillsborough Bay; will develop subdivision; construct seawall.

Fla., Titusville—Indian Hills Golf Estates, Calvin W. Black, Sec., will develop 550 acres of land for homesites and 2 golf links, construct roads, install water, electric lights, sewers; W. D. Clark, 4230 W. Van Buren St., Chicago, Ill., Golf Archt. for first golf course.*

Fla., Wauchula—Will Benson and A. G. Smith acquired and will develop 40 acres on Ona Rd.

Fla., West Palm Beach—Wheeling-Boston Corp., incorporated; W. E. Weiss, Pres.; E. S. Bullard, Sec.

Fla., West Palm Beach—Dixie Acres Corp., chartered; Alfred H. Wagg, Pres.; Meade C. Dobson, Sec.

Fla., West Palm Beach—Home Acres Land Co., capital \$15,000, incorporated; Horton C. Orlick, Pres.; Paul P. Prudden, Sec.

Fla., West Palm Beach—Inlet Properties, Inc., capital \$30,000, incorporated; O. F. Nakes, Pres.; Kari Riddle, Sec.

Fla., West Palm Beach—Pasco-Palm Beach Land Co., capital \$100,000, incorporated; Lodenzo Garland Biggars, Pres.; Joseph Menhell, Sec.

Fla., West Palm Beach—Lagomar Co., capital \$50,000, incorporated; John J. O'Brien, Pres.; John Magee, Sec.

Fla., West Palm Beach—Capt. J. J. O'Brien, Stuart, acquired and will develop subdivision; construct roads; install water, electric lights.

Fla., West Palm Beach—Heerdt Realty Co., Inc., capital \$25,000, incorporated; Minnie H. White, Pres.; Wm. D. Shine, Sec.

Fla., Winter Haven—Home Park Development Co., capital \$150,000, incorporated; S. E. Blanchard, Pres.; Allen E. Walker, Sec.

Ga., Columbus—L. G. Bowers, 925 Broad St., retained E. S. Draper, Landscape Archt. and Engr., 11 E. 5th St., Charlotte, N. C., to prepare plans for development of subdivision.

Ga., Macon—Murphy, Taylor & Ellis, 470 Cherry St., reported to develop subdivision of 42 acres on Vineville Ave.; J. L. Hoffman & Co., 415 W. Ponce de Leon Ave., Atlanta, will plat tract, install water, sewer, gas, electricity, roads.

Ga., Savannah—Henry Ford, Detroit, Mich., reported to have acquired 10,000 acres in Bryan and Chatham counties, for experimental farming.

Ky., Louisville—Moorhouse Corp., 429 W. Jeff St., will develop 50 acre subdivision at St. Matthews.

Ky., Louisville—United State Realty Associates, Inc., acquired 50 acres at Lexington.

ton Rd. and Cannon's Lane; develop subdivisions.

La., Baton Rouge—Delta Land Owners' Development Co., incorporated; B. E. Harris, Pres., Chicago; Wm. A. Cooper, Sec.

La., Baton Rouge—Block Realty Co., New Orleans, will develop 16,000 acres.

La., New Orleans—Shore Realty Co., capital \$50,000, incorporated; Meyer Elseman, Pres., 819 Union St.; E. L. Aschaffenburg, Sec.

Md., Annapolis—M. B. Serbe, 918 Hollins St., Baltimore, acquired 64 acres on Mill and Burley Creeks, District 3.

Md., Baltimore—Home Builders Corp., W. G. Williams, 2307 Ruskin Ave., reported acquired 142 acres on Chesapeake Bay; develop subdivision.

Md., Baltimore—Chelsea Beach Corp., 224 St. Paul St., capital \$20,000, incorporated; Paul G. Ballard, John Scheiner.

Md., Baltimore—Parkway Homesite Realty Co., Inc., 711 E. Baltimore St., capital \$25,000, incorporated; Michael D. Noel, Julius Goldberg.

Mo., Brentwood—Summit Parl Corp., incorporated; Helen McDonald, 4920 Forest Park Blvd., St. Louis; Frances Lawler, St. Louis.

Mo., Kansas City—Kinzie and Co., capital \$10,000, incorporated; E. P. Kinzie, E. P. I. Trump.

Mo., Kansas City—Armour Warwick Realty Co., capital \$50,000, incorporated; John S. White, 405 W. 59th St. Terrace; C. P. Young.

Mo., Moberly—City votes May 12 on \$25,000 park bonds. Address the Mayor.*

Mo., St. Louis—Wilshire Realty Co., incorporated; Leota A. Cleardi, Augustin J. Cleardi, 4926 McPherson St.

Mo., St. Louis—Nash Realty and Investment Co., incorporated; Wade H. Nash, Jos. F. Lindsay, 1111 Chemical Bldg.

Mo., St. Louis—Levy-Loomstein Building & Real Estate Co., incorporated; Ida Levy, 5524 Pershing Ave.; Wm. Loomstein.

Mo., St. Louis—Eleven Acre Gasconade Club, incorporated; Otto H. Huehn, Harry Parker.

Mo., St. Louis—Charles K. Schweizer Co., 207 Vine St., capital \$60,000, incorporated; C. K. Schweizer, H. L. Schweizer.

N. C., Brevard—E. P. McCoy, Pres. Chamber of Commerce, interested in development of 9-hole golf course.

N. C., Charlotte—Southern Realty Co., capital \$100,000, incorporated; M. W. Belue, R. S. Kirby, 314 1/2 Crescent St.

North Carolina—E. S. Draper, Landscape Archt. and Engr., 11 E. 5th St., Charlotte, has been retained for landscaping work by Lex Marsh Co., 17 W. 4th St., Charlotte; C. F. Chapin, Greensboro; W. A. Harrill, Rutherfordton.

N. C., Chapel Hill—Chapel Hill Development Co., incorporated; W. S. Roberson, L. J. Phipps.

N. C., Goldsboro—Oak Heights Realty Co., capital \$100,000, incorporated; Nathan O'Berry, E. B. Borden, Jr.

N. C., Hendersonville—The Terrace, Inc., capital \$125,000; incorporated K. G. Morrison, A. Y. Arledge.

N. C., New Bern—Fort Totten, Inc., chartered; Daniel Allen, Raleigh; E. H. Meadows, New Bern.

Okl., Tulsa—W. M. Fleetwood, Cass Highway, interested in development of 137 1/2 acres for summer resort; erect hotel, cottages, etc.

S. C., Graniteville—Graniteville Manufacturing Co. retained E. S. Draper, Landscape Archt. and Engr., 11 E. 5th St., Charlotte, N. C., as consulting architects in village improvement work of Graniteville Mills.

Tenn., Bristol—City, L. H. Gammon, Mayor, interested in development of park.

Tenn., Chattanooga—Eleventh Street Realty Co., capital \$40,000, incorporated; Sanford Bennett, Chamberland Ave.; Henry King.

Tenn., Knoxville—Holstein Heights Improvement Co., capital \$10,000, incorporated; W. B. Akers, Pres.; develop subdivision.

Tenn., Nashville—J. W. Howell, Jr., Memphis, acquired 100 acres; develop subdivision; construct macadam streets.

Tenn., St. Elmo, P. O. Chattanooga—See Sewer Construction.

Tex., Bryan—City, Taylor Haswell, Mayor, interested in development of memorial park.

Tex., Dallas—Realty Improvement and

Loan Co., capital \$25,000, incorporated; R. T. Meador, Kirby Bldg.; Jonas Rosenfield.

Tex., Kingsville—Kleberg County Commercial Club interested in development of golf course, swimming pool and clubhouse.

Va., Bristol—Mrs. Bessie P. Gibson of Abingdon and associates will develop subdivision; including 18-hole golf course; construct streets; install water, sewers, lights; erect club house.

Va., Bristol—Fourth-First Realty Co., capital \$10,000, incorporated; Robert L. Pennington, Pres.; Thomas S. Curtin, Sec.

Va., Winchester—Ralph Staples of Staples Motor Co. interested in development of tourist camp; install city water, sewers, electric lights, filling station.

W. Va., Charleston—H. D. Porter Co., capital \$25,000, incorporated; Frank Cox, Kansas Natl. Bank Bldg.; W. B. Daum.

W. Va., Charleston—Vickers Realty Co., incorporated; J. H. Vickers, Snow Hill, W. Va.; R. C. Teter.

W. Va., Charleston—State Land Co., capital \$25,000, incorporated; R. B. Payne, 16 Delaware Ave.; A. J. Peck.

W. Va., Huntington—Real Estate Securities Co., E. L. Williams, Gen. Mgr., Roland Park, acquired and will develop 43 acre subdivision.

Lumber Enterprises

Ala., Birmingham—Dixie Lumber Co. increased capital to \$10,000.

Ala., Birmingham—The Anderson Lumber Co., incorporated; J. O. Anderson, Pres., 610 Fulton Ave.; Bertha Anderson, Sec., Trussville.

Ala., Uniform—Turner Pine Co., capital \$250,000, incorporated; Horace S. Turner, W. Marshall Turner.

Ark., Batesville—The Erwin-Craig Hard-Co. increased capital, \$15,000 to \$40,000.

Ark., Fayetteville—Dyke Brothers Lumber Co. begun erection of office and sales rooms at St. Charles and Dickson St., 2-story, brick, fireproof; estimated cost of building and equipment about \$100,000.

Fla., Clearwater—Paxton-Pavey Lumber Co., capital \$150,000, incorporated; J. W. Paxton, Pres.; J. V. Pavey, Sec.

Fla., Fort Pierce—East Coast Lumber & Supply Co., W. E. Tylander, Gen. Mgr., will erect 2-story, 50x160-ft. warehouse; 25x50-ft. store with offices on second floor; 20x90-ft. garage, capacity 10 trucks; fireproof, concrete and wood floors, built up and tile roof; estimated cost \$40,000; construction by owners; Hatcher and Funke, Archts., Fort Pierce; Franklin W. Tyler, Const. Engr.*

Fla., Indian Town—Indian Lumber Co., capital \$250,000, incorporated; J. K. Kelley, Pres.; R. G. Eason, Sec.

Fla., Jacksonville—Standard Lumber Co., Thomas Hamilton, Pres., of Live Oak, reported to purchase 274,000 acres land in Lee and Hendry Counties, containing over 600,000,000 ft. long leaf pine stumpage; plans installing mill with daily capacity of 150,000 ft.; begin construction about July 1.

Fla., Ojus—Ojus Lumber & Supply Co., capital \$50,000, incorporated; Ross H. Van Buren, Pres.; Carey L. Uelrey, Sec.

Fla., Palmetto—Manatee River Lumber Co., P. J. Hackney, Sec., erecting 80x30-ft., 60x20-ft. and 80x20-ft. frame buildings with galvanized covering, concrete, cinders and earth floors, composition roof; construction by owners; install woodworking machines; all purchased.*

Fla., St. Augustine—Bond-Howell Lumber Co., T. L. Howell, Pres., plans erecting new lumber sheds, warehouse and office building.

Georgia—George Hewitt Myers, Washington, D. C., purchased from the Sheffield Heirs, 6500 acre timber land in Glynn County and 41,000 acres in Ware and Clinch Counties, growing pine.

Ga., Brunswick—Savannah River Lumber Co., I. H. Fetty, Pres., Savannah, advises: Our operations on the Brookman tract near Brunswick consists of nothing except a small portable mill proposition, about 20,000,000 ft., handled entirely by small contract plants and be cut within next 18 months.*

La., Dehlcoville—The Delta Hardwood Co., Inc., will probably rebuild burned sawmill.

Miss., Gulfport—Salmen, Inc., F. W. Salmen, Pres., 30th and L. & N. R. R., will erect \$10,000 planing mills and lumber sheds, 100 x100-ft., heavy construction, Richardson roof; erection by owners; install \$18,000 equipment.*

Miss., Cantwell (mail Bassville)—Stark Oldham Brothers will rebuild burned planing mill.

S. C., Greenville—F. W. Brown Lumber Co., 104 Prentiss Ave.; E. M. Hicks, Sec., contemplates increasing capital, \$10,000 to \$60,000.

S. C., Orangeburg—Bamberg Lumber Co., Inc., D. A. Gardner, Pres.-Mgr., have completed repairs to burned plant, resume operations; daily output 20,000 ft. lumber.*

Tenn., Memphis—Memphis Lumber Sales Co., 410 Messick Bldg., incorporated; W. L. Wilcox, J. E. Walden.

Tenn., Memphis—E. L. Bruce Co., Thomas Ave., capital \$3,000,000, organized; Robert L. Bruce, Pres.; Frank E. Bruce, Sec.; erect addition to sawmill and lumber yard, daily output 40,000 ft. rough lumber.*

Tex., Hebronville—Eds' Acklen Lumber Co., Inc., capital \$100,000, chartered; Henry Eds. V. T. Acklen.

Tex., Winona—Winona Lumber Co., capital \$75,000, incorporated; C. Shank, W. A. Hawin.

Metal-Working Plants

Ala., Birmingham—Birmingham Metal Co., Inc., chartered; E. Stein, I. Leet; manufacturing.

Minirg

La., Shreveport—The Shreveport Gravel Co., Inc., capital \$10,000, chartered; Fordyce Kimball, Pres.; Charles Henry McFarland, Sec.

Mo., Kansas City—Kaw River Sand Co., capital \$10,000 incorporated; Frank M. Henry, 3816 Genesee St.; Wm. J. Stewart.

Tenn., Madisonville—J. R. Akers, reported, leased land in the Coker Creek valley, will develop gold deposits.

W. Va., Charleston—Blackbird Mining Co., capital \$25,000, incorporated; J. V. Brennan, Kansas Valley Bank; I. F. Somerville.

Miscellaneous Construction

Ala., Selma—Wharf—Chamber of Commerce, interested in establishing street level wharf in connection with the Alabama river, and traffic which may be conducted over river; wants data on operating street level wharfs, also data on equipment including hoists, cranes and elevators.

Fla., Avon Park—Lake—See Land Development.

Fla., Cocoa—Docks—See Water Works.

Fla., Miami—Speedway—Ray Harround, in conjunction with Florida Cities Finance Co., reported to build \$1,000,000 speedway.*

Fla., Sebring—Pier—City Council rejected bids for \$50,000 municipal pier; city will build structure, with J. C. Barrow, local Contr.; A. C. Price, Archt., Bradenton.*

Fla., St. Petersburg—City, R. S. Pierce, Mayor, votes May 26 on following bonds: \$375,000 bonds for waterfront improvements from Thirteenth Ave. N. to Seventh Ave. S., together with terracing of city property in front of Rouslynn subdivision; waterfront improvements consist of seawall, dredging, sewer extensions and sidewalk and creating yacht basin; \$118,700 bonds for waterfront improvements from Coffee Pot Bayou to Thirteenth Ave. N. consist of seawall, filling and sewer extension; \$1,000,000 bonds for municipal recreation pier; \$195,000 for beautification of parks and walkways, municipal property in front of Rouslynn subdivision; \$55,000 bonds for beautification of proposed park extending from Thirteenth Ave. N. to Coffee Pot Bayou; \$180,000 bonds for widening and deepening of Booker Creek from Ninth St. bridge to Bayboro Harbor, including reconstruction of walls and sidewalks with necessary storm sewer connections; S. S. Martin, Director of Finance; E. Kitchen, Director of Public Works.*

Fla., Tampa—Seawall—See Land Development.

Ga., Thunderbolt—Piers—Standard Oil Co., Thomas M. Hoynes, Mgr., has acquired site with 100-ft. waterfront, will erect 3 piers for filling service; bids for construction will soon be called.

La., Crowley—Swimming Pool—J. T. Hincliffe interested in establishing 75x150-ft. swimming pool.

La., New Orleans—Canal—Intracoastal Canal Assn. interested in surveys of the Intracoastal Canal, surveys to begin within month; Gen. Harry Taylor, Chief of Engrs.

Md., Baltimore—Pier, etc.—Western Maryland Ry. Co. reported, will probably lease first pier and terminal to be built by the Port Development Comrsn., located on McComas St. waterfront property.

Md., Baltimore—Yacht Basin—Maryland Yacht Club, Christian Grecht, Commodore, 1330 S. Sharp St., will remodel clubhouse in Broening Park and build yacht basin; estimated cost, \$20,000; 800 ft. out from shore line and 800 ft. along shore line; of wood piles, with 6-ft. walkways around; also dredge to provide 4-ft. depth at inshore side; Empire Engineering Co., 31 Calvert St., will be awarded contract.

Md., Baltimore—State Roads Comsn., 601 Garrett Bldg., let contract to American Gas Accumulator Co. of Elizabeth, N. J., at \$100,000 for supplying uniform system of color signals for erection along State roads; erection of signals costing between \$30,000 and \$40,000 additional.

Md., Baltimore—Board of Awards, F. A. Dofield, Register, receives bids April 29 to erect and complete refuse disposal plant at Ostend, Russell and Denver St. (See Machinery Wanted—Disposal Plant.)

Md., Cumberland—City having tentative plans made for flood prevention; J. H. Kimball, special Engr., completed surveys of Potomac river and Wills Creek rain sheds.

S. C., Charleston—Pier—Port Utilities Comsn. will construct small creosoted timber pier on north side of new Union pier, for use of small fishing craft, structure to be about 150-ft. long.

Tenn., Memphis—Levee—See Bridges, Culverts, Vladurs.

Tenn., Memphis—United States Steel Corp., J. A. Farrell, Pres., 71 Broadway, New York, advises: There is no foundation for the report that this corporation or its subsidiaries have purchased property at Memphis, for purpose of building freight terminals; we have not purchased any such property nor do we contemplate doing so, our companies are using the Municipal Docks and Warehouses of the City of Memphis.*

Tex., Harlingen—State Reclamation Engr., Houston, preparing plans for flood control system in lower Rio Grande valley and building of levees, protecting valley lands; estimated cost \$3,000,000.

Tex., Houston—Southern Pacific Lines, in Texas and Louisiana, W. R. Scott, Pres., advises: "Description of project located on Houston ship channel at Houston, Tex.—Reinforced concrete pier, 1405 ft. long, fronting on slip 1000 ft. long by 225 ft. wide, with 1400-ft. transit sheds, 75 feet wide; warehouse 400 ft. x 75 ft., served by 10 tracks, with capacity of 155 cars, divided into three track bays by covered trucking platform 40 ft. wide, aggregating 1070 ft. in length, with fuel oil wharf, power house 40x60 ft.; equipment includes freight conveyors, equipment for handling steel and heavy machinery, complete, fuel oil handling and storing facilities, duplicate fire protection, supplemented by automatic sprinklers and complete sanitation system; all building construction of steel and concrete, with asbestos protected metal roofing and siding; estimated cost \$1,075,000. Contractors: For dredging, Atlantic Gulf & Pacific Co. of Texas, Scanlan Bldg., Houston; for grading, W. A. Harris Contracting Co. and S. A. Lacy of Houston; for waterfront construction and erection of buildings, W. H. Nichols & Co., Dallas; principal material and equipment provided by: structural steel, Phoenix Bridge Co., Phoenixville, Pa.; reinforcing steel, Franklin Iron Works, Franklin, Pa.; asbestos protected metal, H. H. Robertson Co., Pittsburgh, Pa."*

Tex., Houston—Incinerators—City Comms. receive low bid from National Incinerator Co. at \$67,950 for four 40-ton incinerators; J. C. McVea, City Engr.*

Tex., Val Verde (mail El Paso)—Val Verde Amusement Co. receives bid for construction of swimming pool to be part of country club project.

W. Va., Weirton—Docks—See Iron and Steel Plants.

Miscellaneous Enterprises

Ala., Birmingham—Holcomb Textile Equipment Co., Inc., increased capital to \$200,000.

Ala., Birmingham—Woodlawn Theater Co., incorporated; M. D. Womack, J. P. Denton, 166 Davies St.

Ala., Birmingham—Parision Cleaners & Dyers, Inc., chartered; D. V. Edmundson, 515 S. 54th St.; Robert W. Vance.

Ala., Birmingham—Radio Products Corp., capital \$10,000, chartered; W. T. Estes, 2600 28th Ave., N.; Ernest W. House.

Ala., Birmingham—D. W. Epperly Plastering Co., 1115 Ave. E, incorporated; D. W. Epperly, Samuel Christi.

Ala., Birmingham—Winn-Sinder Cigar Co., capital \$100,000, incorporated; R. M. Hobbie,

Pres.; J. M. Hobbie, Sec., 745 Felder Ave., both Montgomery.

Ark., Fort Smith—Fort Smith Cereal Co., C. A. Birdsall, Sec., 914 Grand Ave. let contract to J. H. Reddick, Fort Smith, for fireproof building on N. Sixth St., 3-story with head house and pit making 5 story in one place, reinforced concrete, concrete floor and roof, 32x80-ft.; estimated cost between \$20,000 and \$25,000; install equipment.*

Ark., Little Rock—State Fair Assn. contemplated expending \$100,000 on amusement devices, including \$25,000 roller coaster; \$25,000 water mill; \$40,000 merry-go-round; have begun construction on some projects.

D. C., Washington—Hall-Yates & McGinnis Construction Co., capital \$100,000, incorporated; John G. Yates, Robert W. McGinnis.

D. C., Washington—National Film Corp., J. A. Fitzgerald, Mgr., 319 Bond Bldg., will erect 100x150-ft. motion picture studio, garages, paint shops, etc.; approximate cost, \$80,000; Wohl Co., Const. Engr., Brooklyn, N. Y.; will probably open bids about Sept. 1; address proposals to Production Mgr., 3000 Connecticut Ave.*

D. C., Washington—Campbell & Co., incorporated; Mary B. Campbell, Harriet Ssrey.

Fla., Bartow—Rheopaste Chemical Co., capital \$10,000, incorporated; C. A. Boswell, Jr., Pres.; W. H. Stuart, Sec.

Fla., Boynton—Geo. H. Blake Co., capital \$20,000, incorporated; Geo. H. Blake, Pres.; Margaret Baggs, Sec.

Fla., Clearwater—Pharmaceutical Products Co., incorporated; Dr. L. B. Dickerson, Pres.; W. S. Ames, Sec.

Fla., Daytona—Rado-Radiator & Sales Co., capital \$25,000, incorporated; Albert M. O'Neill, Pres.; Rhea O'Neill, Sec.

Fla., Daytona—The E. W. Hawkins Corp., chartered; E. W. Hawkins, Pres.; E. Rorti-Sec.

Fla., Daytona Beach—Branner & Cannon, capital \$10,000, incorporated; Geo. R. Branner, Pres., 240 Grandview Ave.; Wm. E. Cannon, Sec.

Fla., Daytona—Florida Tailoring Co., Inc., chartered; Sam Saffer, Pres.; Harry Freedland, Sec.

Fla., Fort Pierce—Florida Motor Transportation Co. will establish bus service between Fort Pierce and West Palm Beach in addition to existing service between Jacksonville and Miami.

Fla., Jacksonville—C. Roy Kindt, capital \$50,000, incorporated; C. Roy Kindt, Pres.; I. L. Knight, Sec.]

Fla., Jacksonville—Florida Screen Manufacturing Co., W. B. Winfield, Pres., 2021 Gilmore St., will erect 2-story, 60x125-ft., frame building, composition roof; daily output 450 doors and window screens.*

Fla., Miami—The American Investment Co., 503 Congress Bldg., L. A. Casey, Pres.; Geo. P. Elliott V.-P.

Fla., Miami—Flagler & Woodward, Inc., chartered; T. J. Blackwell, Pres.; Thelma M. Cain, Sec.

Fla., Miami—Fire Fighting Equipment—City Comms. approved purchase of additional fire-fighting equipment, including 3 pumping engines, city service ladder truck and additional hose, estimated cost \$34,650; also contemplates three new stations.

Fla., Miami—I. Aronovitz, Inc., capital \$100,000, incorporated; I. Aronovitz, Pres., 305 N. W. 2nd Ave.; A. Aronovitz, Sec.

Fla., Miami—Charles Thomas, Inc., capital \$20,000, chartered; Jacques Devellier, Pres.; Charles V. Thomas, Sec.

Fla., Miami—Employment & Reference Assn., Inc., capital \$10,000, chartered; Walter Leroy Smith, Pres., 31 W. Flagler St.; Ralph W. Taylor, Sec.

Fla., Miami—The Scott Head Lamp Control, incorporated; Preston A. Prevatt, Pres., 1452 N. Bay Shore St.; E. W. Belinger, Sec.

Fla., Miami—The Cantor-Tuttle Co., incorporated; J. A. Cantor, Pres.; L. A. Tuttle, Sec.

Fla., Miami—Voss, Inc., chartered; Charles E. Lang, Pres.; Leon J. Chester, Sec.

Fla., Miami—Grapeland Boulevard Co., capital \$100,000, incorporated; C. D. Wallace, Pres., 103 S. E. 1st St.; I. L. Lipschultz, Sec.

Fla., Miami—Miami Mattress Co., 1247 N. W. Miami Court, will erect \$6000 addition to present warehouse, 50x135 ft., hollow tile and concrete, wood floors, composition roof.*

Fla., Miami—See Ice & Cold Storage Plants.

Fla., Miami—Dade Refrigerating & Engineering Co., capital \$50,000, incorporated;

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Walter Christiansen, Pres.; E. B. Christiansen, Sec., 2320 N. E. 7th Ave.

Fla., Pensacola—Mexican-Gulf Insurance Co., capital \$100,000, incorporated; L. W. Watson, Pres.; M. E. Watson, Sec.-Treas.

Fla., St. Augustine—Miller's Bus & Transfer Co., incorporated; J. O. Miller, Pres., Cathedral St.; Henry Bruer, Sec.

Fla., St. Petersburg—Pinellas Printing Co., 265 Central Ave., J. M. Touart, Mgr., reported to erect \$50,000 printing plant and warehouse corner 20th St. and 3rd Ave.; 2-story, 50x110 ft., brick; first floor for printing plant; install latest type of machinery.

Fla., St. Petersburg—Adams Co., Inc., capital \$50,000, chartered; Stephen D. Adams, Pres.; Mabel H. Lewis, Sec., 1124 Bay St.

Fla., St. Petersburg—Baynard & Thorn, 614 Central Ave., are supervising construction of 3-story, fireproof building, 709 Central Ave., to be partly occupied by Pinellas Printing Co., 265 Central Ave.

Fla., Tampa—Pulver-Plant Hotel Co., capital \$500,000, incorporated; Frank E. Pulver, Pres.; Ernest V. Moore, Sec.

Fla., Tampa—Cooners Packing Co., incorporated; B. R. Cooner, J. T. Watson.

Fla., West Palm Beach—Harris Hammond, Inc., capital \$500,000, chartered; Harris Hammond, Pres.; C. D. Reese, Sec.

Fla., Key West—The Key West Publishing Co., capital \$50,000, incorporated; J. P. Simmons, Pres.; E. W. Bebbinger, Sec.

Fla., West Palm Beach—The Kelsey Associates, Inc., chartered; Harry S. Kelsey, Pres.; Bert Winters, Sec.

Fla., West Palm Beach—Sides-Davis Co., capital \$10,000, incorporated; Mae L. Sides, Pres.; Abner Davis, Jr., Sec.

Fla., West Palm Beach—Greynolds & Clark, Inc., capital \$100,000, chartered; A. O. Greynolds, Pres.; J. M. Clark, Sec.

Fla., West Palm Beach—Laundry, etc.—H. P. Dew, Inc., capital \$50,000, chartered; H. P. Dew, Pres.; M. H. Stewart, Sec.

Ga., Atlanta—Wilson & Co., 64 E. Alabama St., J. J. Standiford, Jr., Mgr. Southern Dist., will lease 2-story and basement building to be erected at 419 Whitehall St.; cost approximately \$100,000; structure will include smokehouse, sausage plant, freezers, coolers, egg rooms, butter rooms, etc.; E. C. Seitz, Archt.; 43½ Peachtree St.; Massell Realty & Improvement Co. has contract.

Ky., Louisville—Dorsey Manufacturing Co., capital \$100,000, incorporated; James L. West; Jas. H. Richmond, 125 S. Burchwood St.

La., Baton Rouge—O. K. Specialty Co., Inc., capital \$20,000, chartered; Ben Schofield, Alonso Powers.

La., New Orleans—Peerless Products, Inc., capital \$30,000, chartered; Ed. A. Adey, Pres., 2432 Calhoun St.; Odette Lotz, Sec.

Md., Baltimore—Gold Dust Corp., 239 W. Thirtieth St., New York, let contract to Consolidated Engineering Co., 20 E. Franklin St., for the first unit of \$1,000,000 plant to be erected at Canton; will cover approximately 12 acres; contemplates building second unit at later date; Lockwood, Greene & Co., Engrs., 100 E. 42nd St., New York City.*

Md., Baltimore—Western Maryland Dairy Co., Linden Ave. and Dolphin St., incorporated; Irvin D. Baxter, Ass. B. Gardiner, Oscar B. Schier.

Md., Baltimore—Maryland Coach Lines, Inc., 2 E. Lexington St., chartered; Richard M. Jennings, Jr., Griffith Robinson.

Md., Baltimore—Dispatch Service, Inc., 917 Munsey Bldg., chartered; Michael J. Bernstein, M. Harold Goodman.

Md., Baltimore—U. S. Farm Feed Corp., Calvert Bldg., chartered; James A. Curtis, Richard F. Roberts.

Md., Baltimore—Nizer Corp., 101 E. Fayette St., chartered; Bruce R. Tuttle, S. Stratton Jennings; manufacture refrigerators.

Md., Baltimore—William A. Blockston, Inc., Olive and Fairview Aves., Curtis Bay; capital \$20,000, chartered; Wm. A. Blockston, Chas. E. Hollyday.

Md., Baltimore—Southwestern Public Service, Inc., 626 Equitable Bldg., chartered; Ralph P. Buell, Wm. H. Hall.

Md., Baltimore—Rutley's, Inc., 101 E. Fayette St., chartered; E. Harry Frost, Douglas H. Rose; restaurant, etc.

Md., Baltimore—Southern Pharmacy, Inc., 402 N. Eutaw St., chartered; Harry Ades, Charles F. Goldberg.

Md., Baltimore—See Electric Light and Power Plants.

Md., Baltimore—The William Knabe Manufacturing Co., Eutaw and West Sts., will

erect 1-story, brick addition, 48x40 ft.; estimated cost \$7000; manufacture pianos.

Md., Cumberland—Building Materials—The Realty Trading Co., incorporated; Clyde M. James, Wm. A. Spruill.

Md., Frederick—Blue Ridge Transportation Co. authorized purchase of five new buses; new lines over which service will be given are: Frederick to Gettysburg, via Emmitsburg; Frederick to Winchester, Va., via Harper's Ferry; Frederick to Westminster, via Mt. Pleasant and Liberty and Waynesboro to Baltimore, connecting at Emmitsburg and Taneytown.

Md., Takoma Park—The Takoma Manufacturing Co., capital \$20,000, incorporated; August Deike, Richard T. Dowsett; plumbing, etc.

Miss., Hattiesburg—Southern Fire Equipment Co., capital \$10,000, incorporated; M. D. King, Pres.; M. J. Bulger, Sec.

Miss., Roundaway—Stephen J. Adams, Chicago, Ill., reported, purchased, the Roundaway Manufacturing Co., comprising 10,500 acres; will construct \$2,000,000 paper mill factory, corn products factory, department for processing straw, etc.; estimated annual output 20,000 tons of all kinds paper, 20,000 tons winter feed for cattle, 10,000 tons corn gluten feed, etc.

Mo., Cape Girardeau—Cape Building Co., capital \$100,000, incorporated; J. H. Himelberger, H. E. Sroat.

Mo., Joplin—H. L. Wirick & Co., Inc., chartered; G. L. Childress, 424 N. Byers St.; N. Woodford.

Mo., Kansas City—H. C. Bergman Funeral Home, Inc., 1207 Linwood Blvd., chartered; H. C. Bergman, Esther M. Bergman.

Mo., Kansas City—Calumet Baking Powder Co., incorporated; K. K. Bell, V.-Pres.; E. B. Doty, Sec., 3208 Tarrou St.

Mo., Kansas City—Ambassador Applied Arts, Inc., chartered; Harry B. Walker, 318 Commerce Bldg.; John E. Henning.

Mo., Kansas City—Continental Investment Co., capital \$112,000, incorporated; Karl D. Klemm, 1010 Commerce Bldg.; E. M. Dodds.

Mo., Kansas City—Missouri Embossing & Engraving Co., capital \$100,000, incorporated; Reuben S. Weaver, 958 W. Twenty-second St.; Russell Field.

Mo., St. Louis—Johnson, Stephens, Shinkle, 4242 Laclede St., will erect \$60,000 factory at 4251 Forest Park Blvd.; 2-story, 50x182 ft.; T. J. Manahan, Archt., 4127 Gratoit St.

Mo., St. Louis—Anheuser-Busch, Inc., 711 Pestalozzi St., contemplates increasing capital from \$240,000 to \$18,000,000.

Mo., St. Louis—Primo Cleaning Co., capital \$10,000, incorporated; Harry Wernsing, 5206 Neosho St.; R. A. Keller.

Mo., St. Louis—Checkerboard Elevator Co., capital \$150,000, incorporated; W. K. Woods, John H. Caldwell, both Webster Grove, Mo.

Mo., St. Louis—Trans-Continental Freight Co., incorporated; F. L. Bateman, Pres.; W. L. Taylor, Sec.

Mo., St. Louis—Feed Marketing Co., capital \$50,000, incorporated; Fred H. Deibel, 7128 Washington St.; E. A. Steininger; manufacture cereals.

Mo., St. Louis—Springmeier Shipping Co., Inc., chartered; L. J. Springmeier, Pierce Bldg.; Joseph Hausotter.

Mo., Joplin—Coglizer & Co., S. Warren Coglizer, Pres., will rebuild brick building at 1319 Main St., burned at loss of \$11,000; manufactures tents, awnings, etc.

Mo., Kansas City—Geo. G. Kelly, Propr. Westport Dairy, Pennsylvania Ave. and High St., has acquired building 4011 Pennsylvania Ave.; will move to new location.

Mo., Kansas City—The Westport Laundry Co., 3956 Central St., is erecting 2-story addition, containing 6000 sq. ft. floor space.

Mo., St. Louis—Ajax Mop Wringer Co., incorporated; S. Bergauer, J. Brandt.

Mo., St. Louis—Steel Products Corp., 4240 Vista Ave., incorporated; John K. Goin, 511 Washington Ave.; A. A. Hammerla.

Mo., St. Louis—H. C. Kraleman, Chrmn. Board of Alderman, City Hall, advises: Will purchase 5 motor pumping 750 gal. triple combination engines; 3 serial trucks; 2 city service trucks, 2 supply trucks and one automobile; equipment will be purchased in near future, have not decided when bids will be taken.*

Mo., St. Louis—Toilet Articles—Caslyn Crafts, Inc., 3040 Locust St., capital \$10,000, chartered; H. R. Souther, Lee Hess.

Mo., St. Louis—St. Louis Pipe Bending Co., capital \$20,000, incorporated; Alfred S. Beeley, 1435 Maryland Blvd.; Geo. E. Duckworth.

Mo., St. Louis—Amusements—Central

Properties Corp., chartered; Sam B. Jeffries, Central National Bank Bldg.; Fred J. Lau-
rent.

Mo., St. Louis—The Shredded Wheat Co., capital \$153,919, incorporated; A. J. Porter, Pres.; F. L. Monin, Sec.

Mo., St. Louis—Sugar Creek Creamery Co. of Danville, Ill., will erect \$15,000 plant at 3301 Park St.; 3-story; construction by owner.

Mo., St. Louis—Landreth Building Corp., chartered; W. H. Landreth, E. L. Wallace, 6605 Waterman St.

Mo., St. Louis—Ramsey Accessory Manufacturing Co. leased entire second floor of building corner Fifteenth and Carr Sts.; remodel, manufacture piston rings, etc.

Mo., St. Louis—Bodine Pattern Co. have leased building at 1611 Cass Ave.; will remodel.

Mo., St. Louis—Krey Packing Co., 21st and Bremen Sts., will erect \$25,000 tank house at 2117 Farrar St., 3-story, 42x78 ft.; construction by owner; C. Parkinson, Archt., 321 Kossuth St.

Mo., St. Louis—Anheuser-Busch, Inc., 9th and Pestalozzi Sts., let contract to W. Green, 3131 S. Broadway, for \$22,000 factory building at 2838 S. 3d St., 1-story, 113x125 ft.; composition roof, steam heat.

Mo., Webb City—Bosca-Nelson Pryor Co., capital \$60,000, incorporated; C. Bosca, R. L. Nelson; leather goods, etc.

N. C., Bullock—Buckhorn Bottling Co., capital \$50,000, incorporated; J. H. Kelly, Ed. B. Wilkerson.

N. C., Durham—Home Construction Co., capital \$50,000, incorporated; T. W. Poe, W. B. Bass.

N. C., Fayetteville—Prince Charles Hotel Co., capital \$50,000, incorporated; W. R. Barringer, Fayetteville; J. W. Heape, Florence, S. C.

N. C., Greensboro—Lime Cola Bottling Co., Inc., capital \$25,000, chartered; G. H. Jennings, T. A. Kornodele.

N. C., Greensboro—William B. Gibb will erect \$12,300 shed for stone-cutting plant on Battle Ground Ave., 1-story, steel; construction begun.

N. C., High Point—Carolina Garment Co., capital \$100,000, incorporated; H. T. Hudson, C. C. Garrett.

N. C., Kings Mountain—Elbethel Electric Co., capital \$9000, incorporated; G. W. Ware, T. C. Black.

N. C., Red Springs—Fidelity Bonded Warehouse Co., capital \$20,000, incorporated; A. T. McCallum, B. W. Townsend.

N. C., Salisbury—City Candy Co., Inc., capital \$25,000, chartered; G. E. and A. D. Wilkinson.

N. C., Winston-Salem—The Carolina Towel Supply Co., capital \$20,000, incorporated; G. Radin, R. R. Simmons, Masonic Bldg.

Okl., Muskogee—Eastern Oklahoma Amie-site Co., capital \$100,000, incorporated; Wm. E. Deleant, Dennis McInerney.

Okl., Oklahoma City—The Standard Co., capital \$10,000, incorporated; S. O. Garrett, Joe P. Crawford.

S. C., Charleston—I. Berendt Leather Co., Inc., 367 King St., capital \$50,000, chartered; Emanuel Berendt, Pres.; Harry Berendt, Sec.

S. C., Greenville—J. A. Floyd Roofing Co., W. McBee Ave., capital \$15,000, incorporated; J. A. Floyd, Pres.; A. F. Davis, Sec.

S. C., North Augusta—Town Council let contract to the Seagrave Co., Columbus, Ohio, for fire-fighting equipment, includes 350-gal. capacity engine; E. L. Scott, Fire Chief.

S. C., Spartanburg—Williams Laboratories, incorporated; H. H. Williams, Pres.; G. P. Williams, Sec.

Tenn., Chattanooga—Bruce-Chiswell Adams Co., incorporated; Robert R. Bruce, John B. Chiswell.

Tenn., Chattanooga—Alemite Sales and Lubricator Co., incorporated; H. A. Reed, C. R. Ellsworth.

Tenn., Columbia—The Columbia Aeroplane Co., incorporated; F. F. Frakes, J. M. Dedman.

Tenn., Knoxville—Knoxville Screen & Manufacturing Co., capital \$15,000, incorporated; J. E. Adair, W. H. Barker, 340 Oak Hill Ave.

Tenn., Knoxville—Brent Partain Co., capital \$50,000, incorporated; Arthur Partain, W. H. Dickson, Navarre Bldg.

Tenn., Memphis—Plumbing—The N. O. Nelson Manufacturing Co., 928 Chestnut St., St. Louis, Mo., received low bid from following for erection of plant on Linden Ave.:

To Estes-Williams-Ragsdale Co., Madison Ave. Bldg., at \$137,837, for general construction; to Electric Novelty Co., 124 Monroe St., at \$2800, for electric wiring; to R. H. Lloyd, at \$3339, for plumbing, and to Hughes Heating Co., 248 Court St., at \$3623, for heating system; George Jones, local Mgr.; Jones & Furbinger, Archts., Praetorian Bldg.*

Tenn., Memphis—The Cannon Chemical Co., capital \$100,000, incorporated; W. D. Cannon, T. J. Noonan.

Tenn., Memphis—Roofing Service Corp., 272 Walnut St., incorporated; John D. Morgan, R. M. Hodges.

Tenn., Nashville—Legal Loan Service Co., incorporated; J. R. Meadows, 1917 Ashwood Ave.; B. A. Bozeman.

Tex., Abilene—R. C. Winter & Co., capital \$15,000, incorporated; R. C. Winter, J. McAllister.

Tex., Ballinger—The Runnels County Fair Assn., capital \$15,000, incorporated; R. G. Erwin, J. D. Motley.

Tex., Breckenridge—S. Segal & Co., Inc., capital \$50,000, chartered; Nate Rosenbaum, Morris J. Siegal.

Tex., Corsicana—Natatorium, Inc., capital \$20,000, chartered; R. M. Tiley, R. M. Cooksey.

Tex., Cuero—The Cuero Ice & Bottling Works will probably erect bottling plant adjoining present building; has acquired site.

Tex., Dallas—Arcadia Amusement Co., Circle Theater, changed name from R. and R. and D. Theaters, Inc.

Tex., Dallas—Board of Directors, Lamar & Barton, publishing unit of the Methodist Episcopal Church, S., reported, contemplates erecting 14-story office building; estimated cost \$500,000; to house Methodist activities in Dallas.

Tex., Dallas—Brooks Transportation Co., capital \$16,000, incorporated; P. W. Gifford, J. S. Chase, 5603 Willis St.

Tex., El Paso—Western Paper Co., capital \$75,000, incorporated; Henning Bruhn, Fred C. Lemley, 117 W. Rio Grande St.

Tex., Fort Worth—Majestic Reproduction Co., 1103 Commerce St., changed name from Majestic Blue Print Co., increased capital, \$5000 to \$10,000.

Tex., Fort Worth—L. G. Gilbertt & Co., capital \$125,000, incorporated; L. G. Gilbert, Dave Gilbert, 2205 Park Place.

Tex., Houston—Royal House Furnishing Co., incorporated; L. D. Breedlove, R. H. Metzler.

Tex., Houston—The Phenix Dairy, 1502 Hefner St., M. C. Oldham, Mgr., will expend \$150,000 on plant extension; erect 2-story, 106x120-ft. building, corner Polk Ave. and Smith St.; concrete; install modern machinery.

Tex., Houston—Direct Way Sales Co., Inc., chartered; C. C. Harris, 6004 Ave. I, R. G. Trammell.

Tex., Houston—Thrift Prospecting Fig Co., incorporated; Dan T. Moore, West Bldg.; Homer C. Thrift.

Tex., Jacksonville—Crown Coca Cola Bottling Co., capital \$50,000, incorporated; H. P. Tilley, F. Gordon Tilley.

Tex., Junction—Construction—J. C. Ray Co., capital \$10,000, incorporated; J. C. Ray, Robert I. Jarvis.

Tex., Knox City—Knox City Hardware Co., capital \$15,000, incorporated; G. A. Branton, A. M. Armstrong.

Tex., Poth—Poth Water Co., capital \$8000, incorporated; Wm. Eckel, E. W. Schneider.

Tex., Robstown—Cloverdale Ice Cream Co. let contract to J. W. Birmingham, Room 8, Amusu Bldg., Corpus Christi, for \$7000 factory; concrete frame, tile curtain walls, stuccoed and steel sash; install cold storage and heating rooms, office, storerooms, etc.

Tex., San Antonio—Gorman-Brannan Printing Co., capital \$25,000, incorporated; Theodore T. Donnelson, J. A. Gorman.

Tex., Wichita Falls—Perkins-Snider Building Co., capital \$200,000, incorporated; J. J. Perkins, C. W. Snider, City Natl. Bank Bldg.

Tex., Waco—Pasteurizing Milk Co., 107 N. 8th St., increased capital; \$15,000 to \$25,000.

Tex., Wichita Falls—Harvey-Snider Building Co., capital \$200,000, incorporated; R. O. Harvey, C. W. Snider, City Natl. Bank Bldg.

Tex., Woodville—Crescent Bottling Works, incorporated; J. H. Coffman, P. H. Powell.

Va., Bristol—The NuStrand Corp., W. H. Harman, Pres., increased capital, \$50,000 to \$100,000.

Va., Clarendon—J. W. Meyers and James Marsey let contract to Frank Davis, Inc., of Arlington County and Washington, for \$35-

000 pasteurizing and dairy plant in Lyon Village, on Wilson Blvd.

Va., Martinsville—City purchased \$12,500 fire engine from American La France Fire Engine Co., Elmira, N. Y.; outfit consists of triple combination pumping, chemical and hose car, rotary gear pump with power to pump 750 gal. water per min., chemical tank of 40 gal. capacity, ladders, etc.

Va., Norfolk—East Apartment Corp., capital \$36,000, incorporated; John E. East, Pres.; J. Frank East, Jr., Sec., 900 Brandon Ave.

Va., Norfolk—Temperature Control Corp., chartered; S. J. Ross, Pres., Haddon Hall Apartments; H. J. Tighe, Sec.; manufacture refrigerators.

Va., Richmond—Charles S. Turner, Inc., chartered; Chas. S. Turner, Pres., 2024 Chaffin St.; W. A. Dickinson, Sec.; printing.

Va., Smithfield—Jamestown Ferry, incorporated; A. J. Jester, Pres.; O. M. Jester, Sec.; operate ferry between Scotland Wharf and Jamestown Wharf.

W. Va., Charleston—The J. S. Hill Co., 917 Edgewood Drive, will erect \$15,000 bakery on Summers St.

W. Va., Charleston—United Bedding Co., capital \$25,000, incorporated; Albert Lory, Christopher Lory.

W. Va., Charleston—Landes Construction Co., capital \$50,000, incorporated; D. Landes, R. A. Sutler, 709 Main St.

W. Va., Huntington—City votes May 25 on \$175,000 bond for additional fire fighting equipment; Floyd A. Chapman, Mayor.*

W. Va., Morgantown—The Monongahela Valley Co., incorporated; W. T. Hughes, James H. McGrew, 192 High St.

W. Va., New Martinsville—The West Virginia Title & Trust Co., capital \$100,000, incorporated; J. V. Dayton, H. M. Phillips.

W. Va., Spencer—The Roane County Cooperative Livestock Shippers Assn., incorporated; J. K. Snodgrass, A. N. Lee.

MOTOR CARS, GARAGES, TIRES, ETC.

Ala., Birmingham—Drennen Motor Car Co., Ave. D and 20th St., let contract to M. C. Banks, Birmingham, for \$40,000 building 2-story, 100x140 ft., brick, concrete and steel; concrete floors, composition roof; Joe Moore, Archt.*

Ala., Tuscaloosa—The Standard Oil Co. has acquired site corner Broad and Queen Aves., will erect filling station.

Ark., Fayetteville—Kelly-Phipps-Gibson Automobile Supply Co., capital \$25,000, incorporated; E. A. Gibson, Pres., 812 N. 20th St., Fort Smith; A. B. Kelley, Mgr.

Ark., Fort Smith—Co-operative Gasoline Co., capital \$10,000; W. A. Stanton, 921 Greenwood St., Pres.; C. C. Davis, Sec.

Ark., Little Rock—Sterling Service Co., incorporated; B. L. Maloney, Pres.; J. S. Maloney, Sec., 904 W. Second St.; have building under construction at 310 W. Third St.

Ark., Little Rock—Standard Oil Co., J. N. Foster, local mgr., let contract to Herman & McCain, Reigler Bldg., for filling station at 10th and Scott Sts.; to C. L. Harlin, 412 Park St., for station at 10th St. and Broadway; soon award contract for filling station at 3d and High Sts.*

Ark., Marvell—The Erwin Motor Co., capital \$25,000, incorporated; Norman McKinney, Curtis O. Erwin.

Ark., Osceola—The Osceola Motor Co. has acquired site on Walnut St., will erect \$10,000 building, 100 ft. square, fireproof, equip for showrooms, service and garage.

Fla., Miami—Overland Co., capital \$100,000, incorporated; R. A. Owen, Pres., 1020 Washington Ave., M. B.; R. Bowen, Sec.

Fla., Orlando—H. T. Boylan will erect fire-proof garage at 710 W. Church St.; 2-story, 70x120 ft., brick; occupied by Braun's Garage.

Fla., St. Petersburg—Peninsular Motors Co., 601-93 Central Ave., received low bid from Dillma Wright of \$63,000 for branch garage and salesroom corner 4th St. and 6th Ave., S.; 2-story, 100x120 ft., hollow tile and brick; M. Leo Elliott, Archt.

Md., Baltimore—Slingluff-Forman Co., 3538 Old York Rd., capital \$15,000, incorporated; Arthur F. Slingluff, Frederick W. Forman.

Miss., Belzoni—Buick Motor Co., 739 Union St., Memphis, Tenn., will erect 75x220-ft. garage building on Hayden St., 75x220-ft., steel with concrete floors.

Mo., Kansas City—P. A. Russell, of the Russell Electric Car Co., 3310 Main St., reported will erect 3-story building corner 42d and Mill Creek Pkwy., frontage of 222 feet; Edgar C. Faris, Archt.

Mo., Kansas City—The Lilley Motor Co., corner Independence and Maple Blvd., have acquired 135x160-ft. site, will probably build some time later.

Mo., Kansas City—U. S. Auto Parts Co., 502 Southwest Blvd., capital \$7500, M. W. Storms, Carl W. Cedarberg.

Mo., Kansas City—Commercial Structures Co., Judson H. Wood, Pres., contemplates erecting 6-story fireproof building; has option on site at 2033 Main St.; construction by owners; George Fuller Green, Archt., 429 Rialto Bldg.

Mo., St. Louis—American Gauge Co., capital \$7500, incorporated; Paul T. Phiamobilis, Erwin Gauen; automobile accessories.

Mo., St. Louis—Eu-Clede Rent-a-Ford Co., incorporated; Morris Himmelbaum, 5568 Waterman Ave.; Fred Himmelbaum.

Mo., St. Louis—F. Dubinsky, Wainwright Bldg., let contract to Q. H. Stiel, 813 Chestnut St., for \$10,000 salesroom at 2904 Washington St.; 3-story, 65x110 ft.; H. W. Guth, Archt., 813 Chestnut.

N. C., Brevard—Brevard Auto Service Co., capital \$25,000, incorporated; W. O. King, J. F. Waters.

N. C., Durham—Standard Oil Co. will erect \$5000 filling station corner Mangum St. and Trinity Ave.; steel and white stucco.

N. C., Rocky Mount—The Parker Tire Shop, Inc., capital \$10,000, chartered; G. E. Davenport, W. O. Boone.

S. C., Columbia—The Auto Light-A-Meter Co., incorporated; J. W. Wilkinson, Wm. Anderson Clarkson.

S. C., Pickens—Pickens Cabinet Works has contract for \$10,000 garage and machine shop, 50x100-ft., brick and concrete, gravel roof, concrete floors; install skylights; to be occupied by W. J. Acker and C. L. Cureton. (See Machinery Wanted—Building Materials; Skylights.)*

Tex., Anson—Henslee Garage, capital \$10,000, incorporated; Wm. S. Henslee, E. W. Harrell.

Tex., Corpus Christi—W. C. Wininger received contract for \$15,000 building corner Chaparral and Laguna St., 50x150-ft., brick, tile and concrete, plate glass fronts, erected by Frank A. Winerich, 320 E. Kings Highway, San Antonio; to be occupied by Yantis Motor Co.; C. T. Fincham, Archt.

Tex., Dallas—Dr. J. T. Downs, Jr., S. W. Life Bldg., will erect \$20,000 building at 2646 Main St.; to be occupied by Geo. W. Brooks Auto Works, 2308 Main St.; J. A. Pittenger Archt., S. W. Life Bldg.

Tex., Fort Worth—Clarence Kraft Motor Co., capital \$50,000, incorporated; Clarence C. Kraft, 4832 Dexter St.; H. G. Orgain.

Tex., San Antonio—Guaranteed Motor Car Co., J. F. Hagan, Propr., let contract to L. T. Wright, City National Bank Bldg., at \$34,000, for 180x110 ft. building, concrete floors, concrete roof; have equipment; Adams & Adams, Archts., Gibbs Bldg.*

Tex., Waxahachie—Dennis and Trippet will erect service station on Main St.

Va., Bristol—H. E. Smith Motor Co. reported to erect \$50,000 building, Shelby St.

Va., Richmond—Blanton-Brown Motor Co., incorporated; C. E. Blanton, 2208 Grove Ave., Pres.; A. D. Wren, Sec.

Va., Richmond—The Ferry Motor Co., Inc., capital \$10,000, chartered; O. L. Williams, Pres.; H. H. Dunn, Sec.

Va., Winchester—Winchester Hare & Chase, Inc., chartered; J. V. Arthur, Pres.; Whiting C. Faulkner, Sec., Va. Hwy. & Power Bldg.

W. Va., Charleston—J. H. Vickers Co., capital \$50,000, incorporated; J. H. Vickers, Snow Hill, W. Va.; R. C. Teter.

W. Va., Fairmont—The Freedom Oil Works Co., Hickman Run, will erect \$10,000 filling station and apartments.

RAILWAY SHOPS, TERMINALS, ROUND-HOUSES, ETC.

Fla., Tampa—Atlantic Coast Line R. R. Co., Lyman Delano, V.-P., Wilmington, N. C., reported, let following contracts: To the Cook Construction Co., Oneida, Tenn., for grading and track work in yard at Uceta; to Ogle Construction Co., of Chicago, Ill., for construction of reinforced concrete coal station, and to Roberts & Schaefer, Wrigley Bldg., Chicago, Ill., for electrically operated

CONSTRUCTION DEPARTMENT

Manufacturers Record

cinder-handling plant; other contracts will soon be let; J. E. Willoughby, Chf. Engr., Wilmington.*

Ga., Waycross—Atlantic Coast Line R. R., J. E. Willoughby, Chief Engr., Wilmington, N. C., reported will expend \$500,000; enlarge electric and wheel foundry, wood milling departments; also \$70,000 pumping station; improvements reported at other points on line.

Ky., Russell—Haley, Chisholm & Morris, National Bank Bldg., Charlottesville, Va., have contract for new engine terminal for Chesapeake & Ohio R. R. Co.; invite prices on all building material and equipment for complete plant. (See Machinery Wanted—Building Material, etc.; Engine Terminal Equipment.)*

Tex., Houston—See Miscellaneous Construction.

Road and Street Construction

Alabama—State Highway Comm., Montgomery, receives bids June 3 for 4 roads: Bullock County, 6 mi. gravel between Union Springs and Fort Davis; Houston and Geneva Counties, 20 mi. sand-clay between Dothan and Hartford; Lamar County, 12 mi. gravel between Guin and Sulligent; Pickens County, 10 mi. gravel between Aliceville and Carrollton.

Ala., Fairfield—City let contract to Independent Paving Co., American Trust Bldg., Birmingham, at \$24,000 to pave streets in residential section.

Ala., Greenville—State Highway Comm., Montgomery, let contract to R. L. Kenan, Selma, at \$102,800 to grade, drain and surface with sand-clay 10 mi. road from Greenville to Wilcox County line.*

Ala., Guntersville—State Highway Comm., Montgomery, contemplate 15 mi. road from Boaz to Attala.

Ala., Huntsville—City plans paving Arms, Calhoun and Lincoln St. Address City Clk.

Ala., Mobile—Mobile County Board of Revenue plans hard surfacing road from Grand Bay to Bayou in Batre road; Jas. B. Shelton, County Engr.

Ala., Montgomery—City Comm. let contracts to R. G. Lassiter Co., Raleigh, N. C., at \$51,908 to pave Highland Ave.; to Hodgson & Jones Construction Co., Montgomery, at \$23,820 to pave Rippy, Decatur and Columbus Sts.*

Ala., Phenix City—City plans paving streets on Alabama ends of 14th and Dillingham street bridges to tie in at bridge on Broad St. Girard section. Address City Atty. W. J. Bird.

Ala., Rockford—State Highway Comm., Montgomery, will receive bids soon for road between Kellyton and Alexander City, Coosa County.

Arkansas—State Highway Comm., Little Rock, receives bids this week for 2 roads: Sebastian County, grade and drain 11.9 mi. Greenwood-Mansfield road, 109,763 cu. yd. earth, loose and solid rock excavation, 52,520 lbs. reinforcing steel, 67,497 lbs. structural steel in I-beam bridge, 29,700 lbs. structural steel in truss bridges; Lee County, 7.2 mi. gravel on Marianna North road, 89,960 cu. yd. earth excavation, 13,585 lbs. reinforcing steel, 16,520 lbs. structural steel in I-beam bridges; plans on file; Herbert R. Wilson, Chmn.

Ark., Felton—State Highway Dept., Little Rock, will let contract between May 1 and May 10 for road from Felton to St. Francis County line north of Haynes.

Ark., Helena—Phillips County plans hard surfacing road from Walnut Corner to Lee County line. Address County Comms.

Ark., Little Rock—City, Glen D. Douglas Engr., S29 Home Life Bldg., receives bids April 28 to improve Hazel, Beech, Buckeye and East Second; concrete curbs on E. Second and Buckeye St.; lay storm sewer on Second and Buckeye St., with catch basins; plans on file and from C. N. Gribble, Chmn., Street Improvement Dist. No. 31, North Little Rock.

Ark., Little Rock—Arkansas-Missouri Hwy. Dist., received bids from Harrison Engineering Construction Co. and Kelleher Construction Co. for sections of road between McAlmont and County line northeast; received low bid from Pioneer Construction Co., Kansas City, Mo., at \$27,406, for 2 bridges on this highway.

Ark., Marianna—State Highway Dept., Little Rock, let contracts, 4 roads in Lee County: 9 mi. gravel from Bonner's Store to Moro, J. A. Perdue & Co., 1521 Linden St., Pine Bluff; 4 mi. gravel from Marianna to Bonner's Store, Bunker Construction Co., Memphis; 5 mi. from Marianna to Phillips County line, S. K. Jones & Co., Memphis; road from Marianna to Kokomo, Dininson &

Co.; plans 2 mi. road from Kokomo to St. Francis County line near Bledsoe.

Florida—State Road Dept., Tallahassee, will receive bids soon to rebuild 1 mi. between Whitfield Estates and Sarasota County line; plans expending \$8,000,000 for improvements, including Tamiami Trail between Sarasota and Punta Gorda, and Brooksville and Inverness.

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Bartow—Polk County Comms. plan road improvement: Build 80-ft. boulevard to Polk City; road to Winter Haven; road from Paschal in Lakeland-Highlands section; road on north and south sides of Lake Gibson, connecting Lakeland with proposed Carpenters' and Joiners' National home; votes May 12 on bonds.

Fla., Bradenton—State Road Dept., Tallahassee, receives bids May 5 to grade, construct drainage structures and lay Florida lime rock base on 1 mi. Road No. 5, Manatee County, from end of Project 570 to Sarasota County line; plans on file; J. L. Cresap, State Highway Engr.

Fla., Cocoa—City plans street paving; voted \$184,000 bonds; H. G. Brunson, Clk.*

Fla., Fort Pierce—St. Lucie County plans network of roads in southern and western part of county, including Dixie Highway; contemplates \$550,000 bond issue. Address County Comms.*

Fla., Fort Pierce—St. Lucie County plans 102 mile road in Fort Pierce—South County section, through back country connecting with hard-surfaced highways with extensions from Fort Pierce, White City, Walton and Jensen, connecting with Fort Pierce-Okeechobee road, and proposed Fort Pierce-Gosling road; contemplates \$845,000 bond election. Address County Comms.*

Fla., Gainesville—See Land Development.

Fla., Jacksonville—See Land Development.

Fla., Miami—City Comm., H. E. Ross, Clk., let contracts for improvements: Morgan-Hill Paving Co., 204 Central Arcade, at \$88,201 for sidewalks in various sections; John J. Quinn, for Paving Cont. No. 63; Morgan-Hill Paving Co., for Cont. No. 64 and T. B. McGahey Co., 2115 N. Miami Ave., for Cont. No. 65, totaling \$638,915.*

Fla., Miami Beach—City, E. R. Neff, City Engr., let contracts for street improvement: 67,779 sq. yds. asphalt paving, 16,000 lin. ft. curb and gutter, catch basins in gutter, J. J. Quinn, Bedford Bldg., Miami, \$202,310.43; 43,400 sq. yds. Kentucky rock asphalt, 13,770 lin. ft. curb and gutter, \$131,013; 13,488 sq. yds. 1-in. Kentucky rock asphalt, 6629 lin. ft. curb and gutter, \$32,165.*

Fla., Miami—See Land Development.

Fla., Ocala—See Land Development.

Fla., Okeechobee—Okeechobee County Comms. plan paved highway from Okeechobee to Orlando and Kissimmee; contemplate bond issue.

Fla., Okeechobee—See Land Development.

Fla., Orlando—State Road Dept., Tallahassee, plans building shoulders for State Road No. 2 from Plymouth to Osceola County line.

Fla., Panama City—See Land Development.

Fla., Quincy—Road Dept., Tallahassee, receives bids May 20 to grade 2 roads in Gadsden County: 9.67 mi. Road No. 1, from Chatahoochee to Survey Sta. 520; 9.83 mi. Road No. 1 from Survey Sta. 520 to Quincy; plans on file; J. L. Cresap, State Highway Engr.

Fla., Sarasota—City receives bids May 4 to surface-treat with bitcrete 28,000 sq. yd. streets, including Main St. and Broadway, asphaltic concrete or sheet asphalt on present surface; plans from J. R. Brumby, Commr. of Public Works.

Fla., St. Augustine—City Comm. plans grading, paving and draining Palm St. from Lovet to Cerro; Central Ave. from South to Cerro.

Fla., St. Augustine—See Land Development.

Fla., St. Augustine—City let contract to Finley Method Co., Jacksonville, to pave 9000 sq. yd. of streets in Anastasia Park, on Anastasia Island subdivision, Maricopa type, monolithic curb; plans street improvements, storm sewer, etc., in Coquina Gables; contemplated bond issue; grading streets and water system in Jackson Park; George McDowell, City Engr.

Fla., St. Petersburg—City Comm., Ernest Kitchen, Director of Public Works, receives bids May 18 for 50 mi. street paving.

Fla., St. Petersburg—City plans opening First Ave. from Capac to Ninth St.; votes May 26 on \$490,000 bonds; S. S. Martin, Director of Finance.*

Fla., St. Petersburg—City, Ernest Kitchen, Director of Public Works, plans expending \$2,100,000 for about 50 mi. brick and asphalt street paving; will sell bonds.

Fla., Tampa—Hillsborough County let contract to Walter Bryson Paving Co., Jacksonville, at \$397,546, to pave 40 streets total 10 mi. in Temple Terraces Estates.

Fla., Tampa—Hillsborough County Comms. receive bids May 8 to pave 2 1/4 mi. Gandy Blvd., between Bayshore Blvd. and Gandy Bridge head, 2-in. Filbertine wearing surface on 5-in. rolled base, concrete curbing.

Fla., Tampa—City Conn. plans widening and repaving 24 streets, including Platt, Jackson, Jefferson St., Nebraska, Seventh, Palm Aves.

Fla., Tampa—City Conn. receives bids May 5 to improve and pave 11 streets, including St. Clair, Blanch, DeLeon Sts.; Lamar, Fifth Aves., 41,095 sq. yd. asphalt block with granite curbing, vitrified brick and asphalt, pavement; plans from City Engr.; Wm. E. Duncan, Clk.

Fla., West Palm Beach—See Land Development.

Georgia—State Highway Comm., East Point, received low bids for 8 roads and 6 bridges and culverts; Coweta County, 4.403 mi. concrete, Davis Construction Co., Atlanta, \$103,588; Chattahoochee-Muscogee Counties, intercounty bridge, J. B. McCrary Co., Atlanta, \$44,796; Gwinnett County, Forest Road-Toccoa Basin, John H. Moore & Son, Dahlonega, \$49,476; Habersham County, 3.232 mi. topsoil, M. R. Woodall, Atlanta, \$20,082; Madison County, bridges and culverts, E. M. Williams, Monroe, \$29,253; Franklin County, 3.645 mi. topsoil, M. R. Woodall, \$17,215; Muscogee County, 3.967 mi. graded road, E. M. Beckham, Perry, Ga., \$34,558; Meriwether County, bridges and culverts, Camp and Trammel, Moreland, \$7183; Echols and Lowndes Counties, surface treat 5.663 mi. gravel road, Carter Construction Co., Chattanooga, Tenn., \$22,327; Lowndes County, 2.5 mi. surface treat gravel road, R. J. Freeman Construction Co., Decatur, \$8673; Lowndes County, 1 mi. rock road, R. J. Freeman, \$29,462.*

Ga., Louisville—City let contract to Clausen-Lawrence Construction Co., 1473 Greene St., Augusta, at \$32,540.50 for cement concrete paving.*

Ga., Macon—See Land Development.

Kentucky—State Highway Comm., Frankfort, receives bids May 25 to surface treat 77 roads: Bell County, 2,501 mi. 14 ft. Middlesboro-Tennessee State line; 12 mi. 16 ft. Canal Bridge to Wasioto Bridge; 4,740 mi. 16 ft. Walsend to Balken P. O.; 2,130 mi. 16 ft. Middlesboro to Tennessee State line; Boyd County, 4,166 mi. 16 ft. southwest from end of brick paving at Callensburg; Bracken County, 8,230 mi. 14 ft. Brooksville to Augusta; 12 mi. 12 ft. Robertson County line to Brooksville; Bourbon County, .50 mi. 28 ft. Paris toward Fayette County line; 2.50 mi. 16 ft. Paris toward Fayette County line; 2 mi. 14 ft. Paris toward Harrison County line; 8.90 mi. 16 ft. Paris toward Clark County line; 7 mi. 14 ft. Paris toward Montgomery County line.

In Boyle County, 3.50 mi. 16 ft. Danville to Mercer County line; 2 mi. 16 ft. east from intersection Stanford road; 8,680 mi. 16 ft. Danville to Perryville; Carter County, 1.10 mi. 16 ft. Boyd County line to Kilgore; Clark County, 6,30 mi. 16 ft. Winchester to Bourbon County line; 7.70 mi. 18 ft. Winchester to Kentucky River; Estill County, 7,680 mi. 14 ft. Irvine to Madison County line; Fayette County, 1.60 mi. 22 ft. Lexington south; 1.40 mi. 20 ft. from 3.8 mi. south of Lexington to Jessamine County line; 2.90 mi. 18 ft. from 2.6 mi. north of Lexington to Scott County line; 8.30 mi. 16 ft. from 4.1 mi. south of Lexington to Kentucky River; Franklin County, 7.80 mi. 16 ft. Shelby County line-Frankfort; 1.250 mi. 20 ft. Frankfort-Scott County line; 7.75 mi. 14 ft. Frankfort-Scott County line.

In Gallatin County, 2 mi. 14 ft. 3 mi. north of Sparta north; Garrard County, 7 mi. 16 ft. Camp Dick Robinson-Kentucky River; 6.90 mi. 16 ft. Lancaster-Camp Dick Robinson; 1 mi. 16 ft. Camp Dick Robinson-Poindexter; 5 mi. 16 ft. from Lancaster eastward; 6.10 mi. 14 ft. 5 mi. E. Lancaster-Paint Lick; 3 mi. 16 ft. Lancaster toward Nicholasville; Hardin County, 2.70 mi. 16 ft. West Point-Camp Knox Reserve; 4,717 mi. 18 ft. Dixie Highway through Camp Knox; 6,447 mi. 14 ft. 2 1/4 mi. N. E. E-town-Nelson Co.; Harrison County, 9,575 mi. 14 ft. 5 mi. N. Cynthiana-Pendleton County; Hart County, 4 mi. 12 ft. Mumfordville.

Horse Cave; Henry County, 10.50 mi. 13 ft. Campbell-Eminence.

In Jefferson County, 17.50 mi. 18 ft. Louisville-Shelby County line; Jessamine County, 5.40 mi. 16 ft. Nicholasville-Fayette County line; 7.70 mi. 16 ft. Camp Nelson-Nicholasville; 6.960 mi. Nicholasville Road-Fayette County; Laurel County, 9.313 mi. 16 ft. London, $\frac{1}{4}$ mi. south of Victory; 6.630 mi. 14 ft. London to Fariston; 6.360 mi. 12 ft. Fariston to Corbin; Lincoln County, 4 mi. 14 ft. south from 6 mi. south of Stanford; Madison County, 7.840 mi. 14 ft. from 3 mi. east of Richmond to Estill County; Marion County, 2 mi. 14 ft. from 4 mi. east of Lebanon west; Mercer County, 3.660 mi. 16 ft. Bolet County line to Harrodsburg; 7.10 mi. 16 ft. Harrodsburg to Shakertown.

In Montgomery County, 3.140 mi. 14 ft. Mt. Sterling S. E.; Nelson County, 5 mi. 14 ft. Bloomfield to Chaplin; 5.50 mi. 12 ft. Chaplin to Anderson County line; 4 mi. 14 ft. Bloomfield 4 mi. toward Bardstown; 3 mi. 14 ft. Bardstown S. E.; 6 mi. 16 ft. Bardstown to Balltown; Nicholas County, 2.20 mi. 16 ft. intersection State Project 20-J 1 to Carlisle; Owen County, 8 mi. 12 ft. Owenton to Grayz; 3.50 mi. 14 ft. Owenton S. E.; 5 mi. 14 ft. Sanfords Pond toward Worthville; Pendleton County, 8.425 mi. 14 ft. Harrison County line to Falmouth; 1 mi. 16 ft. intersection State Project 57 to Falmouth; 2 mi. 12 ft. intersection State Project 57 to Falmouth; Pulaski County, 12 mi. 14 ft. $\frac{1}{2}$ mi. south of Eubank to top Somerset Hill.

In Scott County, 9 mi. 14 ft. Franklin County line to Georgetown, 2.50 mi. 12 ft. Georgetown toward Oxford; Warren County, 1.50 mi. 16 ft. Bowling Green westward; 8.480 mi. 18 ft. Edmonson County line south; Washington County, 2.30 mi. 16 ft. Springfield westward; Whitley County, 7.310 mi. 14 ft. Williamsburg north, 3 sections; Woodford County, 6.30 mi. 14 ft. Versailles to Kentucky River; 4 mi. 18 ft. Versailles to Fayette County line; 2 mi. 16 ft. Cross Roads N. E. toward Midway; 8.800 mi. Versailles to Franklin County line; 4 mi. 16 ft. Versailles southward; 10.70 mi. 14 ft. from 4 mi. south of Versailles to intersect with State Project 47; plans on file; E. N. Todd, State Highway Engr.

Kentucky—State Highway Dept., Frankfort will let contracts June for 3 roads; Carlisle County, from Bardwell to Hickman County line; through Hickman County line to Fulton County line; Hickman County, from Granes County line to Columbus, via Clinton.

Kentucky—State Highway Comm., Frankfort, received low bids for 3 roads and 6 bridges: Henderson County, 2,689 mi. bank gravel, Canim Brothers, \$18,185; Magoffin County, grade and drain 2,121 mi., Hunt Forbes, \$42,513; Morgan County, grade and drain 3,186 mi. Smith-Combs, \$70,672; Tradewater bridge at Perry County line, superstructure and substructure, J. U. Schieckl & Bros., \$29,055; Warren County, Barren River Bridge at Bowling Green, superstructure, Vincennes Bridge Co., Vincennes, Ind., \$8365; substructure, Moore Contracting Co., \$25,799; Perry County, Hazard-Whitesburg Road Bridge, superstructure, St. Louis Structural Steel Co., \$25,271; substructure, F. W. Graham Co., \$34,578; stone masonry and approaches for steel spans, Codell Construction Co., \$40,782; Hazard-Whitesburg Road bridge, steel superstructure, Atlantic Bridge Co., \$15,961; substructure, \$19,478; Hazard-Jackson road, superstructure, Kelly & Shields, \$22,449; substructure, Atlantic Bridge Co., \$25,511; Hazard-Jackson road, superstructure, Oregon Bridge Co., Lebanon, Ohio, \$23, substructure, \$18,711.*

Ky., Owensboro—City Comm., plans oiling 107 blocks of streets; let contract to R. B. Tyler Co., 114 S. 4th St., Louisville, to furnish oil at \$7.59 per gal.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids this week to 2 gravel roads: St. John the Baptist Parish, 1.19 mi. Angeline Levee Highway, on East side Mississippi River, about $\frac{1}{2}$ mi. below Mt. Airy; Plaquemines Parish, .90 mi. Caenarvon New Levee Highway, east side of Mississippi River, about 14 mi. below New Orleans; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel.)

La., Alexandria—Rapides Parish Police Jury plans building and maintaining roads in Road Dist. No. 32; votes May 19 on \$9000 bonds.

La., Baton Rouge—East Baton Rouge Parish Police Jury receives bids May 5 for 2 sections, gravel roads totaling over 13 mi.: 7 $\frac{1}{2}$ mi. in Sub-Road Dist. No. 3, Eden Park, Colonial Hill, Richmond Park, Progress Park and Easy Town; 6 mi. extension Perkins road from Whites Place to Kleinpeter's store.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

La., Cedar Grove—Town, W. G. McCord, Clk., receives bids May 5 to pave Caddo Ave. from Sixty-sixth to Fifth-eighth St., 5-in. concrete base, 2-in. natural rock asphalt top; plans on file.

La., DeRidder—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids May 19 for 3.69 mi. gravel DeRidder-Texas Highway, Beauregard Parish, from Merryville towards Texas State line; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel.)*

La., Plaquemine—Iberville Parish Police Jury plans gravel road from Plaquemine Point to Burtville in Road Dist. No. 2; \$25,000 bonds.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids May 12 for 9 roads: Baltimore County, .39 mi. sheet asphalt through Catonsville, Cont. B-12-C; Baltimore City .43 mi. sheet asphalt on Gwynn's Falls Parkway from Poplar Grove to Denison St., Cont. BC-54; Prince Georges County, 2 mi. gravel from Laurel toward Bowie, Cont. P-57; St. Marys County, 1.5 mi. gravel, from Leonardtown toward Beauvoir, Cont. SM-33; Frederick County, 4.25 mi. concrete shoulders, from Frederick to Braddock Heights, Cont. F-5-A; Howard County, 2 mi. concrete shoulders, along Ridgeville-Washington road, from Ridgeville to Montgomery County line, Cont. 0260-A; Montgomery County, 4.75 mi. concrete shoulders from Rockville to Norbeck, Cont. M-3-A; Talbot County, 4.5 mi. concrete shoulders from Easton toward Centerville, Cont. T-2-A; Wicomico County, 8 mi. concrete shoulders from Salisbury toward Berlin, Cont. Wi-6-A; John M. Mackall, Chmn.; L. H. Steuart, Sec.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, received bids for 3 roads: Montgomery County, 1.01 mi. concrete surfacing on Urbana Pike, L. R. Waesche & Son, Thurmont, \$47,598; Calvert County, 2.05 mi. gravel surfacing on Hunting Creek-Plum Point road, Strong & Steffy, 15 Park Road, New York, \$23,749; Baltimore City, .69 mi. concrete pavement on crowned sub-grade from O'Donnell St. to Fifth Ave., Tydings, Marine & Co., 2 E. Lexington St., \$29,409.*

Md., Baltimore—Highway Engr. Dept., Bernard L. Crozier, Highways Engr., let contract to Arundel Construction Co., Knickerbocker Bldg., at \$23,715, to pave alleys with cement concrete, in Alley Cont. No. 114.*

Md., Baltimore—Dept. of Public Improvements plans widening Maryland Ave. to 95 ft. from North Ave. to Twenty-fifth; also plans opening and widening Echodale Ave. from Belair road to intersect with Hamilton Ave. near Hillen road, Howard W. Jackson, Mayor; Bernard L. Crozier, Highway Engr.

Md., Baltimore—City let contract to Peter Averza, 2006 Bank St.; to lay cement concrete footways in Footway Cont. No. 87.*

Md., Baltimore—Board of Awards receives bids May 13 to grade, curb and pave with 13,160 sq. yd. cement concrete on concrete base, streets in Cont. No. 280-NA; and 8530 sq. yd. sheet asphalt on concrete base, streets in Cont. 281-OC; plans from Paving Comm., S. C. Rowland, Acting Chmn., 214 E. Lexington St.; Howard W. Jackson, Mayor; Stewart Purcell, Ch. Engr.

Md., Baltimore—City, Howard W. Jackson, Mayor, will receive bids soon to pave 9 streets with cement, concrete and sheet asphalt, including Park Ave., Eutaw St., Ridgecroft road; Bernard L. Crozier, Highways Engr.

Md., Baltimore—Paving Comm., Samuel A. Rowland, Acting Chmn., 214 E. Lexington St., let contract to Baltimore Asphalt Block & Tile Co., Monroe & Laurens St., at \$75,637, to pave with sheet asphalt, Orleans, Fawn and Trinity Sts.*

Miss., Ellisville—Board of Aldermen plans laying concrete sidewalks on Court and Jasmine Sts.

Miss., Greenville—Washington County Board of Supervs. plans 4 roads: Completing Ferry road from Greenville to Warfield's Landing; Arcola to Sunflower River road; from Percy to Hampton; from Hampton to Issaqueena; votes May 12 on \$150,000 bonds.*

Miss., Jackson—City plans paving Amite St. between N. State and North Sts. Address City Clerk.

Miss., Sumner—Tallahatchie County Commissioners, receive bids May 1 to sub-grade and gravel 13 roads, totaling 50 to 60 miles; plans from M. H. James, Engr. Sumner.

Mo., Caruthersville—City plans paving about 6 blocks with gravel and 23 blocks with

concrete in business and residence sections. Address City Clk.

Mo., Jackson—Board of Commrs. Cape Special Road Dist. let contract to C. C. Hawley and Wade Kochitzky, Cape Girardeau, to gravel and improve 3 sections of highways southwest of Cape Girardeau; Hitt, Selmers and Pecan Grove roads.

Mo., Jefferson City—City let contract to Louis Wolff, Jefferson City, for 4-ft. cement concrete sidewalk.*

Mo., Louisiana—City plans paving street intersections; votes May 6 on \$16,000 bonds. Address City Clk.

Mo., St. Charles—St. Charles County plans 7.38 mi. New Melle road, estimated cost \$10,000; plans building Drostie road, and tarvia surfacing Poor House road, from city limits to county farm, and gravel from county farm to Ludwig's Bridge. Address County Comms.

North Carolina—State Highway Comm., Raleigh, receives bids May 5 for 20 roads: Beaufort County, 4.91 mi. hard surface from Washington to Pantego; 8.92 mi. grading from Washington to Pantego; Bertie County, 4.47 mi. hard surface from Aulander to Windsor Edgecombe County, 17.76 mi. grading from Tarboro to Farmville; Perquimans County, 4.15 mi. hard surface from Hertford to Perquimans County line; Johnston County, 13.27 mi. grading from Smithfield to Goldsboro; Wayne County, 9.38 mi. hard surface from Smithfield to Goldsboro; Brunswick County, 5 mi. grading and asphalt top, from Bolivia to Wilmington; Robeson County, 9.99 mi. grading from Fayetteville to Lumberton; Lee County, 3.64 mi. hard surface from Pittsboro to Sanford.

In Wake County, 7.96 mi. hard surface, Eagle Rock to Franklin County line; Randolph County, 11.78 mi. grading, Asheboro to Seagrove; More County, 9.25 mi. grading and asphalt top, Pinehurst to Aberdeen; Moore County, 6.07 mi. grading and sand asphalt top, Southern Pines to Lakeview; Guilford County, 8 mi. hard surfacing, Guilford College to Forsyth County line; Mecklenburg County, 9.31 mi. hard surface, Charlotte to Mount Holly; Anson County, 7.53 mi. grading, Wadesboro to Richmond; Forsyth County, 10.33 mi. hard surface, Winston-Salem to Stokes County line; Jackson County, 11.60 mi. hard surfacing, Dillsboro to Macon County line; 8.07 mi. hard surface, Franklin to Jackson County line.

N. C., Asheville—Buncombe County Comms. receive bids May 4 to grade and pave Chatham St., Fenner Ave. and other streets in Woolsey and Grace sections.

N. C., Elizabeth City—City plans paving 5 streets, including Lawrence, Cypress; templates \$100,000 bond election; W. M. Ferebee, Mgr.

N. C., Greensboro—City, Claude Kiser, Mayor, plans widening Forbes and Washington St. near Southern R. R. station; E. G. Sherrill, Clk.

N. C., Nashville—Nash County Comms. plan 8 mi. sand-clay road from Avent's store to Gold Rock, and 17 mi. Old Raleigh road from Nashville to Franklin County line.

N. C., Salisbury—State Highway Comm., Raleigh plans widening road between Salisbury and China Grove, and hard surfacing road from Salisbury to Albemarle.

N. C., Smithfield—State Highway Comm., Raleigh, and Johnston County Highway Comm., plan hard-surfacing Route 22 from Harnett County line to Wilson County line.

Oklahoma—State Highway Comm., Oklahoma City, receives bids May 5 for 11 roads and bridges: Garfield County, 8 mi. concrete, Enid east; Oklahoma County, 5 mi. brick surface, Edmund toward Guthrie; Mayes County, 9 mi. grading and structures, between Pryor and Vinita; Noble County, 2 mi. concrete, Billings toward Marland, also bridge; McClain County, 6 mi. gravel, from Blanchard north; Noble County, 2 mi. concrete road and bridge from Marland east; Pawnee County, 6 mi. grading and structures through Jennings; Pottawatomie County, 1 mi. concrete surface between Shawnee and Tecumseh; Kay County, 1 mi. concrete between Ponca City and Tonkawa; Haskell County, 4 mi. gravel, from Stigler west; $\frac{1}{2}$ mi. gravel surface in Stigler; Kingfisher County, 2 bridges east of Kingfisher; Okfuskee County, Alabama Creek Bridge west of Weleetka; E. Bee Guthry, Sec.

Oklahoma—State Road Comm., Oklahoma City, receives bids May 12 for 8 roads and bridges: Logan County, 10 mi. concrete surface between Guthrie and Edmond; Wagoner County, 5 mi. concrete surface between Haskell and Bixby; $4\frac{1}{2}$ mi. concrete, Choctaw to Harrah; Creek County, 3 $\frac{1}{2}$ mi. concrete

CONSTRUCTION DEPARTMENT

from Oilton east; Hayes County, 7 mi. gravel between Choteau and Locust Grove; Nowata County, 6 mi. gravel between Nowata and Chelsea; Pittsburg County, 10 mi. grading from McAlester west; Payne County, 2 mi. grading and structures, Yale west; bridge over Arkansas River, north of Pawnee, between Pawnee and Osage Counties; Woodward County 2 north of Mooreland; E. Bee Guthrey, Sec.

S. C., Kingtree—Williamsburg County Board of Supvrs. receives bids May 8 to sand-clay surface 9,579 mi. State Route No. 411, from Cooper to Hemingway, 69,038 cu. yd. common excavation, 23,451 cu. yd. sand-clay surfacing, 22,199 lbs. reinforcing steel; plans, on file, from J. M. Martin, Div. Engr., Florence, and State Highway Engr., Columbia.

Oklahoma City—Dept. of Public Works. H. V. Becker, Office Engr., will receive bids soon for 4 blocks of paving; plans 5½ blocks additional paving.

Oklahoma City—City Commr. will receive bids for paving in 17 districts; estimated cost \$250,000; Charles Schultz, City Engr.

S. C., York—York County receives bids May 14, tentative date for 8.7 mi. State Route No. 16, between York and North Caorlina line; plans on file and from Lee, Murray, Palmer & Brown, Engrs., York, S. C.

S. C., Blacksburg—City, Charles Baber, Mayor, plans sidewalk paving and street improvement.

S. C., Charleston—City plans improving Spring St. from bridge to Meeting St. and paving streets northwest of Union Station; J. H. Dingle, City Engr.

S. C., Gaffney—State Highway Comm. Columbia, plans hard surfaced road from Gaffney city limits to Spartanburg.

Tenn., Chattanooga—Hamilton County plans concrete road from intersection of Wauhatchie Pike to site of old Lookout Mountain house. Address County Commr.

Tenn., Kingston—City plans street improvement; voted bonds. Address City Clk.

Tenn., Nashville—See Land Development.

Tenn., St. Elmo, P. O. Chattanooga—City contemplates improvements to sewers and park system. Address City Council.

Tex., Anderson—Grimes County receives bids June 2, tentative date, to grade and bridge 6.71 mi. State Highway No. 90; O. A. Seward, Jr., County Engr.; Ralph W. Barry, County Judge.*

Tex., Brownsville—City Comm. will receive bids soon for 20 blocks of paving, cost about \$100,000; A. B. Cole, Mayor.

Tex., Cameron—City plans street paving; votes April 28 on \$50,000 bonds. Address City Clk.

Tex., Dallas—Dallas County receives bids May 7 for concrete pavement on East Pike road near intersection East Pike and East Grand Ave.; plans from County Engr.; Chas. E. Gross, County Auditor.

Tex., Dickens—Dickens County receives bids May 23 to grade and bridge 12.44 mi. State Highway No. 18, Dickens-Matador road; J. W. Alger, County Engr.; H. A. C. Brummett, County Judge.*

Tex., Fairfield—Freestone County receives bids May 21, tentative date, to grade and bridge 6.87 mi. State Highway No. 7, Teague-Fairfield road, from Fairfield west; J. E. Johnson, County Engr.; J. F. Roper, County Judge.*

Tex., Greenville—City let contract to Glover & Sadler, Greenville, to pave Oak St. with reinforced concrete, from Lee to Blades.

Tex., Houston—City received low bid from A. N. Fitzgerald, 615 Peden St., for storm sewers on Hawthorne, Kipling and W. Main St., and from Charles K. Horton, 2202 Clay St., for sanitary sewer on Stanley St.; Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., low bidder for installation of switchboard at Scott St. water plant.*

Tex., Houston—City, O. F. Holcombe, Mayor, received low bids from Uvalde Rock Asphalt Co., First National Bank Bldg., San Antonio, at \$52,241 to pave Bissonet St. from Dunlavy to Reinerman St.; from A. M. Arnold for gravel pavement on Carolina Blvd. from Harmann Drive to Park Drive.

Tex., Huntsville—Walker County receives bids May 29 to grade and bridge 15.57 mi. State Highway No. 19, Willis-Huntsville road, between Willis and Montgomery County line; D. C. Caldwell, County Engr.; A. T. McKinney, County Judge.*

Tex., Karnes City—Karnes County received low bids for grading and bridges on 9.05 mi. State Highway No. 16; H. J. Evans, 500 W. 15th St., Austin, \$23,744, grading; J. L. \$27,056 for bridges.*

Tex., Quanah—Hardeman County Commr. plan hard surfacing Colorado-to-Gulf High-

way through County; voted \$600,000 bonds; Chas. Y. Welch, County Judge.*

Tex., San Augustine—City, John Thompson, Mayor, receives bids May 4 for sanitary sewer system. (See Machinery Wanted—Sanitary Sewer System.)

Tex., Winchester—See Land Development.

Tex., Tyler—Smith County received low bids to pave State Highway No. 37 from Houston to Dobbs Sts., with brick on concrete base, McCavender & McGuire, Sherman, Tex., and Shreveport, La., \$45,068; 18 ft. concrete paving from Dobbs St. to Federal Aid Project No. 316, Tibbetts Construction Co., Fort Worth, \$32,006.

Tex., Vernon—City plans street paving; voted \$20,000 bonds; Harry Mason, Mayor.*

W. Va., Bluefield—City will extend sanitary sewer system. Address City Mgr.

W. Va., Dunbar—City, J. A. Shaver, Mayor, receives bids May 4 for 16,000 sq. yds. grading and paving, and 6000 lin. ft. curb and gutter; plans from City Engr., Rollins Bldg.; J. R. Conway, Clk.

Tex., Jacksboro—Jack County received low bid from Johnson Bros., Ardmore, Okla., at \$67,502, to grade and bridge 12.84 mi. State Highway No. 25.*

Tex., Laredo—Webb County receives bids May 22 to grade, bridge and pave 10.78 mi. State Highway No. 12-A; T. E. Huffman, County Engr.; A. Winslow, County Judge.*

Tex., Linden—Cass County receives bids May 19 to grade and bridge 6.82 mi. State Highway No. 48, from Douglassville south, 137,705 cu. yd. roadway and ditch excavation and borrow, 76,964 lbs. reinforcing steel; F. E. Hess, County Engr.; S. L. Henderson, County Judge.*

Tex., Orange—Orange County Commr. plan widening Green Ave. from First St. to Sabine River ferry.

Tex., San Antonio—City, John W. Tobin, Mayor, plans widening and paving Market St.; I. Ewig, City Engr.

Tex., Sulphur Springs—City let contract to Fleniken Construction Co., Cahn Bldg., Shreveport, La., at \$30,000 for 130 yds. paving, including combined curb and gutter; W. H. Anderson, City Engr.

Tex., Wortham—City plans street paving; contemplates bond election; A. J. McKinney, Mayor.

Va., Abingdon—Washington County Board of Supvrs. receives bids May 4 for 6 roads: 22.3 mi. waterbound macadam Craig's Bridge, 12,900 cu. yd. excavation, 15,700 sq. yd. paving; 32 mi. Main St. in Glade Springs, 2250 sq. yds. bituminous or waterbound macadam, 1 mi. Snodgrass, 2339 cu. yd. excavation, 1.04 mi. Washington Springs or McCall's Gap road, 2121 cu. yd. excavation; 1.05 mi. Ragsdale, 3,950 cu. yd. excavation; 1.02 mi. Plum Creek, 2852 cu. yd. excavation; 7,200 sq. yd. waterbound macadam; plans from County Clk. and State Highway Comm., Richmond.

Va., Alexandria—City Council appropriated \$17,400 to pave Cameron St., from Coleman to West, with bituminous macadam on concrete or cobble stone base.

Va., Boydton—Mecklenburg County, South Hill Dist., plans paving 4 mi. road north of National Highway, 2 mi. east on State Road No. 12, and 3 streets in South Hill; voted \$30,000 bonds. Address County Commr.

Va., Roanoke—City let contracts to J. W. Womack at \$81,055, to improve 11 streets; to S. B. Bennington, at about \$25,000 to lay 100,000 sq. ft. concrete sidewalks in various sections of city. Address City Mgr. Hunter.

Va., Covington—Alleghany County Board of Supvrs. contemplates building Clifton-Forge-Covington Highway; State allocated \$50,000.

Va., Richmond—City, R. Keith Compton, Director of Public Works, receives bids May 4 to repave various streets; plans on file.

Va., Rockymount—Franklin County Commr. let contract to Jamison Construction Co., High Point, N. C., at \$18,500 for 6 mi. road from Rockymount to Pennhook, intersecting Pittsylvania road to Gretna.

W. Va., Fayetteville—Fayette County Court, Thomas Boone, Clk., receives bids May 15 for 8 mi. bituminous macadam Kincaid to Kingston road, Kanawha Dist. plans from County Road Engr.

W. Va., Huntington—City Commr. receive bids May 8 to grade, curb and pave Jackson Ave. and Sixth St.; plans from A. B. Maupin, City Engr.

W. Va., Huntington—City let contracts at \$38,217, to pave six streets, including 17th St., Belview and Bradley roads; T. C. Griffith, 450 Adams Ave.; T. E. Walker, 2839 Third Ave.; L. J. Gillespie, 1751 Fifth Ave.; A. B. Pring, 1834 Twelfth Ave.* completing 3 roads: 11 mi. Welch-Pineville;

Manufacturers Record

Baylesville to Pineville; Rockview; voted \$178,000 bonds. Address County Commr.*

W. Va., Welch—City plans improving various streets, paving alleys and laying sewer lines; votes May 23 on \$121,000 bonds. Address City Clk.*

Sewer Construction

Ala., Birmingham—City let contract at \$123,622 to Will Love for completion of sanitary sewer; A. J. Hawkins, City Engr.*

Ark., Fort Smith—T. A. Norris, Sebastian County Judge, receives bids May 5 for construction of sewage pumping station and force main for County Hospital. (See Machinery Wanted—Sewage Pumping Station.)

Ark., Little Rock—See Road and Street Construction.

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Boynton—See Land Development.

Fla., Cocoa—See Water Works.

Fla., Fort Pierce—See Land Development.

Fla., Gainesville—See Land Development.

Fla., Jacksonville—See Land Development.

Fla., Lake Worth—City receives bids May 1 for sewer construction; cost \$125,000. Address City Commr.*

Fla., Miami—See Land Development.

Fla., Miami—J. J. Quinn, Bedford Bldg., low bidder for sanitary sewers, and C. H. Lyne for castings for sewers.*

Fla., Ocala—See Land Development.

Fla., Panama City—See Land Development.

Fla., Sebring—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., St. Augustine—See Road and Street Construction.

Fla., St. Petersburg—See Miscellaneous Construction.

Fla., West Palm Beach—See Land Development.

Ga., Macon—See Land Development.

Mo., Jefferson City—City receives bids May 4 for construction of Sewer. (See Machinery Wanted—Sewer Construction.)

Mo., West Plains—City votes May 26 on \$50,000 sewer bonds. Address the Mayor.

N. C., Durham—See Water Works.

N. C., Gibson—Town, W. F. Lovin, Mayor, receives bids May 8 for water and sewer system. (See Machinery Wanted—Water and Sewer System.)

Oka., Wewoka—See Water Works.

S. C., Whitmire—See Water Works.

Tenn., Humboldt—City let contract to Cresap Bros., Humboldt, to construct storm sewer.

Tenn., Kingsport—City voted sewer bonds. Address The Mayor.

Tenn., Knoxville—Moser-Quaintance Co., Lebanon, has contract for Lonsdale sewer at Churchwell Ave.; engineering department of city started survey for \$75,000 sewer system.*

Tenn., Memphis—Southern Sewer Pipe Works, 28th Ave., Birmingham, Ala., awarded contract by city of Memphis for 260 cars of vitrified, salt-glazed sewer pipe, delivery during next 12 months.

W. Va., Hurricane—See Water Works.

W. Va., Salem—Kennedy Construction Co., Parkersburg, has contract at \$23,221 for construction of sewer system.

Telephone Systems

Fla., Lake Worth—Geo. J. Yundt, Chief Engr. Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., advises: Purchase of Lake Worth telephone system a small one; is subject to approval by the Interstate Commerce Comsn.; minor improvements will be made as required.*

Fla., Tampa—Peninsular Telephone Co., 120 Park St., will erect \$75,000 telephone exchange building, 55x80-ft., fireproof, steel, pressed brick, first floor tile, other floors wood, reinforced concrete foundations; install \$180,000 equipment, address proposal to company at Tampa; J. T. Johnson, Archt., Bradenton.

Md., Baltimore—Chesapeake & Potomac Telephone Co., 5 Light St., let contract to J. Henry Miller, Inc., Miller Bldg., Franklin and Eufaw Sts., to erect telephone exchange on Madison Ave., adjoining present exchange, 143 by 59 feet, 2 stories, fireproof, steel frame, brick walls; cost \$160,000; will install machine-type switching equipment; F. E. Beall, Archt., 306 St. Paul St.

Md., Baltimore—The Consolidated Gas &

Electric Co., Herbert A. Wagner, Pres., Lexington Bldg., reported considering plans for installing and operating 5000-watt radio broadcasting station, estimated cost \$100,000.

Md., Cumberland—Chesapeake & Potomac Telephone Co., Eugene Bowers, local Mgr., expending approximately \$95,000 in improvements, including underground and aerial extensions, in East Cumberland to serve Johnson Heights development, etc.; work to be completed by Oct. 1.*

Mo., St. Louis—Southwestern Bell Telephone Co., Boatmen Bank Bldg., let contract to Hiram Lloyd Building & Contracting Co., 1608 Syndicate Trust Bldg., for 1-story addition to exchange building at 822 Wilmington St.; 17x62 ft., pitch and felt roof, steam heat; estimated cost \$12,000.*

Tenn., Deer Lodge—Deer Lodge Telephone Co., incorporated; J. W. E. White, J. T. Adams.

Tex., Lubbock—The Panhandle Telephone Co., main office Memphis, Tenn., will erect office and exchange building; brick; purchased site.

Textile Mills

Ala., Lanett—West Point Manufacturing Co., West Point, Ga., reported to have let contract to T. C. Thompson & Bros., Charlotte, N. C., for erection of \$150,000 cloth room; Robert & Co., Engrs., Bona Allen Bldg., Atlanta, Ga. Wire from Robert & Co., Engrs., states that cloth storage building is 3 stories and basement, 107x153 ft., brick, steel construction.

Ga., Griffin—J. W. Gresham and J. A. Evans of Gresham Lumber Co. acquired building; will convert into knitting mill.

Ga., Macon—Bibb Manufacturing Co. reported planning or remodeling plant in East Macon.

Ga., Marietta—Inman, Williamson & Stribley, Atlanta, reported to have acquired plant of Marietta Cotton Mills.

N. C., Charlotte—New England Waste Co., 549 Atlantic Ave., Boston, Mass., advises: "Have bought property in Charlotte as matter of protection; have not made any plans regarding the erection of plant."*

N. C., Gastonia—Gastonia Weaving Co., capital \$10,000, incorporated; Jones Fuller, F. L. Fuller, Jr., both Durham.

N. C., Shelby—Shelby Cloth Mills let contract to Michael & Bivens, Inc., Gastonia, for installing electrical equipment.

N. C., Shelby—Ora Mills Co. let contract to Michael & Bivens, Inc., Gastonia, N. C., for installing electrical equipment, including power and lights; cost \$10,000; J. E. Surrin & Co., Engrs., 309 E. Main St., Greenville.

N. C., Thomasville—Jewell Cotton Mills, Inc., increased capital, \$250,000 to \$750,000.

S. C., Fingerville—Franklin Process Spinning Mill, H. W. Kirby, Mgr., will install 2300 additional spindles and necessary machinery to operate.*

S. C., Graniteville—See Land Development.

S. C., Greenville—Southern Franklin Process Co., National Highway, let contract to Gallivan Building Co., W. Washington St., for \$40,000 addition to plant; 140x60 ft. brick; install 4 dyeing machines, steam and electric power plant; develop 300 h.p.; daily output 15,000 lbs. commission dyeing.*

S. C., Newberry—Oakland Mills, Walter H. Hunt, Pres., increased capital, \$500,000 to \$760,000.

S. C., Whitmire—See Water Works.

Tenn., Chattanooga—N. F. Ayer, Pres. Cabot Manufacturing Co., Brunswick, Me., reported interested in establishment of fabric mill.

W. Va., Morgantown—Tryon Silk Fabrics, Inc., Ninth Ave. and Cortland St., Gloversville, N. Y., reported to establish plant at Morgantown.

Water Works

Ark., Cotton Plant—City reported to receive bids in June for water works and sanitary sewer system; cost \$125,000; E. T. Archer & Co., Engrs., 612 New England Bldg., Kansas City, Mo.

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Boynton—See Land Development.

Fla., Cocoa—City voted \$14,000 bonds for docks, \$25,000 for extension of sewers and water mains; H. G. Brunson, Clk.*

Fla., Fort Pierce—See Land Development.

Fla., Gainesville—See Land Development.

Fla., Gainesville—City let contract to Gray Artesian Well Co., Pensacola, for 18-in. deep well; E. V. Camp and Associates, Engrs., Moreland and DeKalb Aves., Atlanta, Ga.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Jacksonville—See Land Development.

Fla., Miami—See Land Development.

Fla., Miami—See Land Development.

Fla., Miami—See Electric Light and Power Plants.

Fla., Ocala—See Land Development.

Fla., Panama City—See Land Development.

Fla., Sebring—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., St. Augustine—See Road and Street Construction.

Fla., St. Petersburg—Breeding & McBath have contract for construction of addition to pumping station on Mirror Lake Drive.

Fla., Sebring—See Electric Light and Power Plants.

Fla., Tampa—City, W. J. Barratt, Chmn. of Water Committee, will extend water system.

Fla., West Palm Beach—See Land Development.

Fla., Lagrange—City let contract to L. C. Dew, Atlanta, for drilling deep well; will purchase pump; G. H. Sargent, City Engr.*

Fla., Macon—See Land Development.

Fla., Macon—Board of Water Comms. is having plans prepared by Fuller & McClintock, 170 Broadway, New York, for concrete and steel reservoir; will soon call for bids.*

Fla., Marion—City, M. N. Boston, Mayor, will expend \$50,000 for improvements to water works, including building for pumps, etc., plans not completed; install electric or oil engines for operation of pumps, air lift for raising water; 100,000 gal. elevated tank and 115 ft. tower; Howard K. Bell, Engr., Hernando Bldg., Lexington.*

La., Agars—City votes May 19 on \$37,500 bonds for water works improvements; Charles D. Evans, Engr., Levy Bldg., Shreveport.

La., Jackson—East Louisiana State Hospital, W. A. West, Business Executive, will expend \$10,000 for water works improvements; construction by owners; materials purchased.*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., receives bids May 13 for erecting superstructures of building for addition to Montebello filters. (See Machinery Wanted—Filters.)

Md., Grantsville—Town, A. C. Stanton, Mayor, plans water improvements.

Miss., Hernando—City voted \$20,000 bonds for water works system. Address the Mayor.

Mo., Springfield—Springfield City Water Works authorized to issue \$700,000 stock.

N. C., Durham—City engaged Herbert S. Swan, City Planner, New York, to plan municipal improvements.

N. C., Gibson—Town, W. F. Lovin, Mayor, receives bids May 8 for water works and sewer system. (See Machinery Wanted—Water and Sewer System.)

Okla., Holdenville—City voted \$128,000 bonds for water works improvements; V. V. Long & Co., Engrs., Oklahoma City.*

Okla., Muskogee—City, J. R. March, Engr., reported to install \$125,000 filter plant.

Okla., Spiro—City, M. L. Coon, Mayor, reported to plan construction of \$20,000 water works plant.

Okla., Stigler—City, T. W. McKinley, Mayor, reported to install \$35,000 pumping plant; V. V. Long & Co., Engrs., Oklahoma City.

Okla., Wewoka—City, J. R. Fraser, Clk., receives bids May 7 for water works and sewer improvements, including 5 miles of 4-in. and 6-in. water mains and 6 miles 8 to 15-in. sewer lines and sewage disposal plant and small dam; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City.* (See Machinery Wanted—Water and Sewers.)

S. C., Charleston—Comms. of Public Works have begun preliminary work on construction of water tank on Steward St., cost \$100,000; 2,000,000 capacity; city will install concrete 2,000,000 gal. capacity; city will install concrete foundation: Chicago Bridge and Iron Works, Healey Bldg., Atlanta, Ga., has contract for tank and tower.

S. C., Spartanburg—City let contracts for water works extension on Pacelot River to Tucker & Laxton, Realty Bldg., Charlotte, N. C., at \$1,136,121; to Phelps & Sons, Knoxville, Tenn., at \$395,083; to Rome Contracting Co., Rome, Ga., at \$68,600; will call for bids for standpipe; Paul H. Norcross, Cons'tl Engr., Candler Bldg., Atlanta, Ga.*

S. C., Whitmire—Poe Construction Co., Palmetto Bldg., Greenville, S. C., reported to have contract for water works and sanitary sewer system for Aragon-Baldwin Mills; J. E. Engr., Candler Bldg., Atlanta, Ga.*

Sirrine & Co., Engrs., 309 S. Main St., Greenville.

Tex., Bay City—City reported to expend \$60,000 in improvements to water works; Terrell Bartlett, Engrs., 612 Calcasieu Bldg., San Antonio.

Tex., Big Springs—City will expend \$30,000 for water works improvements; John B. Hawley, 403 Cotton Exchange Bldg., Engr., Fort Worth.*

Tex., Comanche—City votes May 7 on \$50,000 bonds. Address The Mayor.

Tex., Houston—See Sewer Construction.

Tex., Irving—City, Fresh Water District, L. Hancock, Sec., reported to expend \$55,000 for water works improvements; Koch & Fowler, Engrs., 606 Central Bank Bldg., Dallas.

Tex., San Antonio—City, John W. Tobin, voted to buy water works system of San Antonio Water Supply Co. for \$6,500,000; issue \$7,000,000 in securities and create fund of \$500,000 for improvements and extensions.*

Tex., Vernon—City voted \$15,000 water bonds. Address City Clk.*

Tex., Wharton—City reported to expend \$40,000 for water works improvements; Tarrant Bartlett Engineers, 612 Calcasieu Bldg., San Antonio.

Tex., Wichita Falls—City reported to install pumping equipment, cost \$35,000; Montgomery & Ward, 1016 City National Bank Bldg., Engrs.

Va., Winchester—See Land Development.

W. Va., Hurricane—Town will install water supply and sewerage system. Address Asst. Sanitary Engr., Warrick, Huntington.

W. Va., Middlebourne—City contemplates installing surface water supply system. Address The Mayor.

Woodworking Plants

Fla., Palmetto—See Lumber Enterprises.

Mo., St. Louis—Modern Furniture Co., capital \$50,000, incorporated; Joseph Lasky, 718 Limit St.; Morris Lasky.

Mo., St. Louis—The St. Louis Fixture & Showcase Co., 915 Washington St., leased building corner Sixteenth St. and Cass Ave.; will install wood turning equipment.

N. C., Bryson City—Bryson City Pump Works Co., I. K. Stearns, V.-P., will begin construction in about 30 days on first unit of factory, 50x100 ft., frame, 3 compartment kilns, boiler house, increase capacity all kinds wood turning. (See Machinery Wanted—Boiler.)*

N. C., High Point—Continental Furniture Co. increased capital, \$100,000 to \$500,000.

Tex., Amarillo—Palo Duro Furniture Co., capital \$60,000, Incorporated; Allen Early, J. D. Thompson.

Tex., Palestine—W. C. Dodd will erect plant to manufacture baskets and crates; machinery all purchased; also probably install veneer mill.*

Va.-Tenn., Bristol—The Virginia Woodworking Co., Inc., William St., has under construction \$75,000 plant improvements, including new building, dry kilns, capacity 600,000 ft.; all departments electrically operated; installed new machines in flooring department, etc.

FIRE DAMAGE

Ala., Birmingham—City Hall, loss \$800,000. Address D. E. McLendon, Pres., City Commission.

Ala., Lato (mail Seale)—Smith-Thomas Lumber Co.'s plant.

Ark., Mandeville—Standard Oil Co.'s pumping station.

Ark., Foreman—Moore Brothers' blacksmith shop, buildings of Temple Oil Co.; loss \$15,000.

Ark., Helena—W. D. Allen's sawmill; loss \$800.

Ark., Morrillton—Residence of Drs. E. L. and J. M. Matthews; loss \$10,000.

Ark., Texarkana—Mandeville pumping station of Standard Oil Co.; loss \$150,000.

Ga., Cedartown—Palace Theater building owned by T. F. Thompson; loss \$70,000.

Ga., Columbus—Smith-Thomas Lumber Co.'s plant; loss \$100,000.

Ga., Gainesville—Hunt Opera House, Smith's Cafe, Dobbs' Fruit store, State Theater, C. R. Hammond, jeweler, Stringer Bros., Ice Cream and Soda Parlor, O'Dell's grocery store, W. A. Miller, farm implements, E. H. Perry, grocer, Army Supply store, B. B. Brannon, grocer, T. N. Girard, grocer, W. J. Scroggins, dry cleaning, Georgia Hwy. & Power Co.'s offices; stores damaged—Doctors' Building, Harry K. Tucker, clothier; Citizens Bank, White, Stone & Moore Furniture Co., Pierce's barber shop, J. D. Hardy & Sons' seed store, L. O. Barron, shoe store; residences of Mrs. P. E. B. Robinson and A. G. Boyd; total loss \$300,000.

Ga., Macon—Kendrick Goodyear's residence, 419 Ross St.

Ga., Swainsboro—Swainsboro Grocery Co., owned by J. A. Coleman.

Ga., Valdosta—Office of The Valdosta Times. Address The Editor.

Ky., Bowling Green—Wm. Claypool's residence, near Bowling Green.

Ky., Lexington—Two barns on farm owned by Mrs. U. G. Saunders and Mrs. L. P. Lee of S. Ashland Ave.; loss \$10,000.

La., Dehlcoville—The saw mill plant of the Delta Hardwood Co., Inc.

La., Neame—Sawmill plant of the Central Coal & Coke Co. of Kansas City, Mo.; loss between \$100,000 and \$150,000.

Md., Hancock—C. W. R. Henderson's stables and outbuildings, James Slayman's residence.

Md., Oakland Mills (Mail Ellicott City)—Melville Community School and Church. Address Melville Woolen Co.

Miss., Cantwell (mail Bassville)—Planing mill of the Stark Oldham Brothers.

Miss., Hattiesburg—Hattiesburg Sawmill Co.'s office building.

Miss., Hollendale—Lindsey Hotel building owned by Morris Goldfarb; loss \$64,000.

Miss., Ripley—Dixon Garage; loss \$30,000; building owned by W. E. Clemmer, V.-P. Bank of Ripley.

Mo., Joplin—Coglizer & Co.'s plant at 1319 Main St.; loss \$11,000.

N. C., Burlington—Stein Department Store, Ben Stein, Prop.; loss \$20,000.

N. C., Hillsboro—Newport Lumber Co.'s boiler room.

Okl., Douthat—Two-story, 8-room, frame school building; loss \$25,000; Mrs. Silas Mayfield, Cardin, principal.

Okl., Oklahoma City—Makins Lumber Co.'s yards at 915 W. 1st St.; loss \$55,000.

Okl., Poteau—Poteau Hotel, Main St., owned by R. L. Neely.

S. C., Charleston—Sand & Co., grocer, Jenkins' Pressing Club, Mrs. L. M. Gilliam's boarding house, S. H. Miller, grocer, J. J. Bee Mattress Co., Bludwine Bottling Works, J. R. Harlee Co., printing, office of City Magistrate T. A. Matthews, Mrs. Rosa Lubelsky, clothing, Robinson Furniture Co., Salvation Army; 37 dwellings; loss \$200,000.

S. C., Helena—H. O. Long's planing mill; loss \$15,000.

S. C., Orangeburg—Mayor Robt. H. Jennings' residence; loss about \$8000.

Tenn., Athens—Dr. R. C. Creech's residence, North Athens; loss \$10,000 to \$15,000.

Tenn., Lookout Mountain—Residences of H. L. Harbin and G. W. Stone.

Tenn., Nashville—Two dwellings, 804-06 S. Sixth St., owned by A. B. Cotton and B. A. Anderson; loss \$9000.

Tenn., Smithville—General Stores Corp. building; DeKalb County courthouse; address County Comms.; loss \$100,000.

Tex., Bynum—O. P. Eagan, grocery store; building owned by Mrs. W. E. Hedges; Conn-Moore, drug store; building owned by Wm. Cannon, Corsicana; E. C. Stone, dry goods; building owned by Mrs. Geo. W. Hamlett, Austin; Masonic Hall; Woodmen Hall; C. D. Rankin, grocery store; building owned by Mrs. A. C. Sacon, San Angelo; Dr. G. H. Jenkins, office; building owned by Mrs. M. S. Acuff, Lubbock; Al Sheldon, cafe; L. D. Deford, barber shop; J. L. Langford, telephone exchange; Wm. Cameron & Co., Bynum Power & Light Co.; total loss \$85,500.

Tex., Cameron—Plant of Cameron Oil Co.; loss \$750,000.

Tex., Cameron—Batte Oil Mill, Jeter Lumber Co., First Presbyterian Church, stores and dwellings; loss \$750,000.

Tex., Cleburne—Five dwellings, Barber St., owned by A. C. White; residences of Willie Putnam, C. N. McClain and Albert Johnson, all Barber St., and W. E. Williams, Dallas Ave.; loss \$25,000.

Tex., Dallas—Uncompleted unit of the Santa Fe System terminal building.

Tex., Dallas—McKinstry Produce Co.'s plant.

Tex., Holland—John Mewhinney's residence; loss \$10,000.

Tex., Littlefield—Baptist Church. Address The Pastor.

Tex., LeRoy—LeRoy Drug Co.; Postoffice, address the Postmaster; and other buildings; loss \$20,000.

Tex., Marble Falls—Mrs. Mattie Shoulz's dwelling, occupied by Emmett Hays.

Tex., Nederland—Buildings owned by Postmaster John Ware, occupied by Briley Plumbing Co., Germany Cafe, Welborn Tailoring Co., postoffice, T. J. Laundry barber shop and M. W. Oakley's offices; loss \$10,000.

Tex., Normangee—Donoho & Martin Building and adjoining buildings.

Tex., Rankin—Goodwyn General Merchandise Store; loss \$10,000.

Tex., Rogers—First Baptist Church, address The Pastor; and adjoining tabernacle.

Tex., Shelby (mail Fayetteville)—Alex Voelkel's residence, filling station and store.

Tex., Sulphur Springs—Dawson Wagon yard, Alexander Motor Co.; loss \$12,000.

Va., Roanoke—Three-story, brick science building at Hollins College, near Roanoke; loss \$100,000. Address J. A. Turner, Gen. Mgr.

Va., Roanoke—Stables of Matt W. London on S. Jefferson St.; loss \$10,000.

Va., South Boston—Wm. Henry Cole's residence, Omega Rd., near South Boston; loss \$7000.

W. Va., Beckley—Seven dwellings near Beckley owned by New River Coal Co.

W. Va., Bluefield—Enterprise Co.'s lumber plant, on Bluefield Ave.

W. Va., Weston—Lee Price's residence, Pork Creek; loss about \$10,000.

W. Va., Weston—Lee Price's store, dwelling and garage, Polk Creek; loss \$10,000.

Damaged by Storm

Md., Frostburg—Walls of Hitchins Bros. Co.'s store left standing from fire and Palace Theater building; loss \$20,000.

W. Va., Deegans—Union Church; dwellings; loss \$15,000.

W. Va., Wheeling—Chesapeake & Potomac Telephone Co.'s system; loss \$25,000; F. R. Dunning, Mgr. of local Dist., Union Warehouse Co.'s building; loss \$25,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Fla., Daytona—Russell C. Warner, Post No. 50, American Legion, Frank Isaac, Chmn. Bldg. Comm., plans to erect clubhouse or remodel present structure.

Fla., Hollywood-Dania—Masonic Lodges of Hollywood and Dania will erect \$40,000 to \$50,000 temple, Dixie Highway and Washington Ave., after plans by John M. Peterman, Fort Lauderdale; Egyptian type, 3 stories, hollow tile and reinforced concrete, tinted stucco finish; 2 stores on first, banquet hall and kitchen on second, lodge rooms on third.*

Fla., Wauchula—Wauchula Lodge No. 17, A. F. & A. M., plans to break ground in about three weeks for \$50,000 temple; 3 stories, brick and concrete.*

Ga., Columbus—Young Men's Christian Assn., A. B. Richardson, Gen. Sec., contemplates erecting \$70,000 addition to provide 38 rooms, locker and dressing rooms, 2 shower bath systems, enlarged gymnasium and swimming pool, etc.

Ga., Macon—Girl Scouts, 518 Walnut St., let contract for 30x60-ft. headquarters building and 5 huts.

La., Algiers (Station A, New Orleans)—St. John Lodge, No. 153, A. F. & A. M., has low bid at \$59,195 from Gervais F. Favrot, Canal-Commercial Bldg., for 3-story brick and steel temple; Sam Stone, Jr., Archt., 714 Union St.

La., Lake Charles—Calcasieu Council No. 1207, K. of C., Paul Zimmerman, Grand Knight, receives bids May 2 for brick and frame lodge building, 50x90 ft., wood doors, ventilators; cost \$60,000; R. S. McCook, Archt., Frank Bldg.*

La., Rayne—Arceneaux Post No. 77, American Legion, considers erecting building.

Md., Baltimore—Johns Hopkins University, Dr. John C. French, member Bldg. Comm., is considering tentative plans for Y. M. C. A. building.

Miss., Tupelo—Ancient Free and Accepted Masons have plans by A. E. Hindman for temple.

Miss., Vicksburg—Knights of Columbus plan to erect community building; W. J. Vollor, member.

Okl., Oklahoma City—Oklahoma City Post No. 35, American Legion, Gen. Roy Hoffman, Chmn. Bldg. Comm., selected Maurice Jayne and Sorey & Vahlberg as asso. architects for \$60,000 clubhouse, Tenth St. and Robinson Ave.; 3 stories and basement, 75x100 ft., concrete foundation, tar and gravel roof, reinforcing steel and structural steel.*

Tenn., Athens—Meridian Sun Lodge, No. 50, F. & A. M., will erect \$35,000 building after plans by Manley, Young & Meyer, Knafle Bldg., Knoxville; concrete and brick, 3 stories, 54.9x85 ft., concrete foundation; receiving bldgs; items to be purchased include brick, concrete, plaster, lumber, roofing, etc.

Tenn., Cameron—Uncompleted unit of the Santa Fe System terminal building.

Tex., Austin—Young Women's Christian Assn., Mrs. Noyes D. Smith, Pres. Board of Directors, selected Giesecke & Harris, Littlefield Bldg., as architects for remodeling present building, Tenth St. and Congress Ave., and erecting new structure; 3 stories, reinforced concrete, hollow tile and brick, terra cotta trim, built-up roof, edge grain pine floors, tile bath, steam heat, cost \$100,000.*

Tex., San Antonio—Boy Scouts, Arthur Michael, Scout Comdr., receives bids May 1 for Boy Scout Training Center, Broadway and Post Ave.; 2 stories, 67x 118 ft., brick, stone, hollow tile, stucco, logs, etc., cement, wood and composition tile floors, reinforced concrete foundation, cypress shaker roof, metal ceilings and doors, vaults, wire glass, steel sash and trim; \$10,000 for equipment; Harvey P. Smith, Archt., National Bank of Commerce Bldg.*

Va., Norton—Cyrene Commandery, Knights Templar, R. B. Alsover, Chmn. Bldg. Comm., Big Stone Gap, plans to erect \$78,000 four-story building; theater, 12 offices, 2 stores and 3 lodge rooms.

Va., Tenn., Bristol—Benevolent Protective Order of Elks, S. L. King, Chmn. Bldg. Comm., plans to start work first of May on remodeling and enlarging lodge building, Shelby St.; cost about \$50,000.*

Bank and Office

Fla., Deland—Volusia County Bank & Trust Co. will remodel interior of banking room.

Fla., Fort Pierce—Surprise Fruit Co., R. K. Koglegard, Pres., will erect \$30,000 office building, Depot Drive and Atlantic Ave., 8 stories; receiving competitive plans.

Fla., Orlando—Orlando Realty Building Corp. selected Geo. E. Krug, 541 Hilcrest Ave., as architect \$150,000 office building, Orange Ave. and Washington St.; 8 stories, 30 ft. wide, probably hollow and interior tile, metal ceilings and doors, hardwood and concrete floors, plaster board, vaults, mail chutes, vault lights, ventilators, ornamental terra cotta, rolling partitions, steel sash and trim, wire glass; D. P. Sias, Pres. Orlando Realty Board.*

Fla., West Palm Beach—Farmers Bank & Trust Co., T. T. Reese, Pres., will remodel building, Olive St. and Clematis Ave.; cost \$50,000 to \$75,000, raise ceilings of banking quarters 6 ft.; Bruce Kitchell, Archt.

Ga., Macon—Macon National Bank, Jesse B. Hart, Pres., purchased 3-story W. A. Doody Bldg., Cherry and 2nd Sts., and will remodel and add 3 stories; 40x210 ft., veneer exterior with white Georgia marble; banking quarters, stores and 150 offices; Frank R. Happ, Archt., Fourth National Bank Bldg. (Previously noted to erect \$100,000 building, Third St.)*

La., Baton Rouge—Bank of Baton Rouge contemplates enlarging building.

Md., Baltimore—Louis Cohen, 523 S. Br., ad-way, will convert 3-story brick building, 217

N. Calvert St., into office building; cost about \$10,000, 15 offices.

Mo., Kansas City—New England National Bank, 10th St. & Baltimore Ave., Jos. F. Porter, Pres., will enlarge building; cost \$300,000; safe deposit boxes, new depts.

Tenn., Chattanooga—Thos. Trimby purchased 3-story brick building, Georgia Ave.; remodel 2 upper floors for offices; owner to occupy ground floor.

Tenn., Chattanooga—Real Estate Board, E. M. Shelton, Pres., 118 E. 7th St., erecting 3-story Real Estate Board Bldg., Cherry St. and Georgia Ave.; cost \$75,000 to \$100,000.

Tex., Dallas—Lamar & Barton, 1308 Commerce St., publishing unit of M. E. Church, South, P. L. Turner, Mgr., will erect \$500,000 office building to house Dallas Methodist activities; 14 stories.

Tex., Plainview—Texas Utilities Co., J. B. Scott, Mgr. Plainview Branch, is having plans drawn by E. S. Billings, Ch. Engr., St. Louis, Mo., for office and display building, W. Seventh St. near Broadway; 54x100 ft.

Tex., San Antonio—Chamber of Commerce and San Antonio Club consider erecting 6-story joint building, W. Commerce St.; stores on first floor, possibly offices on second; remainder of structure for both organizations.

Tex., Victoria—Victoria Bank & Trust Co., P. A. Murray, Cashr., will remodel and erect 50-ft. addition to building; cost about \$35,000; new marble fixtures and heating plant, enlarge vault, tile floors; Page Bros., Archts., Austin National Bank Bldg., Austin.*

W. Va., Charleston—Charleston National Bank will remodel rear of building for additional banking quarters; cost \$32,600.

Churches

Ala., Birmingham—St. Mary's on the Highlands P. E. Church, Rev. Oscar deWolf Randolph, Rector, receives bids May 1 at office J. C. Halstead, Archt., Lincoln Life Bldg., for stone, hollow tile and face brick parish house, 1912 Twelfth Ave. South; cost \$60,000, 2 stories, 66x129 ft., wood and concrete floors, concrete foundation, slate and concrete roof, ventilators, steel sash and trim, wire glass, steam heat, kitchen, shower bath and lavatory equipment; address bids on chairs, blackboards to Jesse F. Yeates, 2108 First Ave., North.*

Ala., Tuscaloosa—Calvary Baptist Church is erecting concrete foundation for \$40,000 first unit of \$90,000 structure, Tenth St. Address The Pastor.

Ark., Leslie—Leslie Baptist Church, Rev. W. K. Wharton, Pastor, plans to erect building, Oak St.

Ark., Little Rock—Wesley A. M. E. Church, 11th and State Sts., Dr. J. M. Cox, Chmn. Bldg. Comm., will erect brick and stone building; tile roof, auditorium to seat 800, classrooms, gymnasium.

Fla., Cocoa—First Baptist Church plans to erect \$75,000 building, Maryland St. and Delannoy Ave.; probably 2 stories and base-ment. Address The Pastor.

Fla., Lake Worth—Congregational Church, Rev. Lillian B. Fulton, Pastor, will enlarge building; enclose 12-ft. veranda, erect balcony; G. Sherman Childs, Archt.

Fla., Vero—Community Church, Rev. C. H. Pettibone, Pastor, will erect \$35,000 building; frame and stucco, 1-story, about 85x185 ft., concrete floors and foundation, composition roof, metal ceiling, ventilators, rolling partitions, steel sash and trim, electric heating, furnishings, equipment, etc., \$10,000, address the Pastor; church, auditorium to seat 570, community auditorium 500; John N. Sherman, Archt., Miami and Fort Pierce.*

Ga., Atlanta—Inman Park Baptist Church, Rev. Saml. A. Cowan, Pastor, will erect \$85,000 building.

Ga., Augusta—Curtis Baptist Church rejected bids for 3-story auditorium, 1300 block Broad St.; 70x130 ft., cost about \$100,000; Scroggs & Ewing, Archts., Lamar Bldg. (C. H. Van Ormer lately noted Contr.)*

Ga., Manchester—Central Baptist Church, Rev. Mr. Jackson, Pastor, plans to erect Sunday school building in fall.

La., New Orleans—Ansue Spard Congregation, Wm. Feldman, Pres., 437 Royal St., plans to erect \$50,000 to \$100,000 synagogue, Carondelet St., near Jackson Ave.

Md., Baltimore—Alpheus W. Wilson Memorial M. E. Church, South, Rev. Carlton D. Harris, pastor, plans to complete building, Charles St. and University Parkway; base-ment occupied; total cost \$175,000; Theo. Wells Pietsch, Archt., Hearst Tower Bldg.

Md., Frederick—Centennial Memorial United Brethren Church, W. C. Roderick,

member Bldg. Comm., plans to erect Sunday school building.

Miss., Columbus—Central Church plans to erect Sunday-school annex, 12th St. Address the Pastor.

Miss., Jackson—First Baptist Church receives bids May 9 at office N. W. Overstreet, Archt., Overstreet Bldg., for completion of building; foundation in; cost \$350,000; Gothic type, fireproof, stone, reinforced concrete and steel, 3 stories, 90x160 ft., concrete and tile floors, gypsum block and slate roof, hollow and interior tile, vaults, ventilators, rolling partitions, steel sash and trim, wire glass, wood sash, Celotex ceiling, steam heating.*

Miss., Starkville—African Methodist Church will erect \$10,000 building; 40x60 ft.; Rev. Mr. Evans, Pastor.

Mo., Cape Girardeau—First Baptist Church plans to erect building. Address The Pastor.

Mo., Kansas City—First Church of Christ will erect \$15,000 brick building. Address the Pastor.

Mo., Kansas City—D. W. Newcomer's Sons, 2107 E. 9th St., will erect \$30,000 chapel, Paseo and Robert Gillham Rd.; Italian renaissance type, stucco, iron window balconies, open pergola, window grilles, wall fountain; auditorium to seat 200; Edw. Buehler Delk, Archt., 5118 Baltimore St.

Mo., Kansas City—Broadway M. E. Church, Franklin D. Glore, Chmn. Bldg. Comm., will erect \$125,000 wing to building, 74th St. and Wornall Rd.; Keene & Simpson, Archts., 1005 Land Bank Bldg.

Mo., Oakland—Oakland Christian Church, Rev. F. A. Sharon, Pastor, will erect \$25,000 brick building, 30x50 ft.; basement completed; A. J. Richardson, Archt., 717 Park Ave., Joplin.

Mo., Springfield—St. Paul's M. E. Church, South, A. C. Daily, Chmn. Bldg. Comm., will remodel and enlarge building.

N. C., Charlotte—Dilworth M. E. Church, G. O. Doggett, Chmn. Executive Comm., rejected bids for Gothic type main auditorium, East Boulevard, Dilworth; estimating contractors to revise bids and submit at another meeting; cost \$150,000; auditorium and balcony to seat 1000; Marvin W. Helms and C. C. Hook, Asso. Archts., 338 S. Church St.*

N. C., Greensboro—First Presbyterian Church plans to erect \$150,000 building, Lindsay St. Address the Pastor.

Okl., Muskogee—First Presbyterian Church, J. Edw. Brechelsen, Chmn. Jubilee Comm., will erect building.

Okl., Oklahoma City—Exchange Avenue Baptist Church, Rev. Hale V. Davis, Pastor, considers tentative plans for addition.

Okl., Oklahoma City—Kelham Avenue Baptist Church, Rev. R. C. Howard, Pastor, plans to erect addition to building; 4 assembly halls, 26 classrooms.

Okl., Oklahoma City—Kentucky Avenue Baptist Church, Rev. C. H. Evans, Pastor, considers tentative plans for addition.

Okl., Tulsa—Emanuel Baptist Church, Rev. O. M. Stallings, Pastor, 123 S. Xanthus St., will erect \$75,000 building; 2 and 3 stories and basement, 62x140 ft., semi-fireproof, brick and steel; F. A. Duggan, Archt., Castle Bldg.*

Okl., Waurika—First Baptist Church, Rev. Mr. Doss, Pastor, is erecting brick and stone building by day labor; 1 story and basement, 90x100 ft.; Guy Dale, Archt., Marlow; plumbing let; wiring. Consumers Light & Power Co.; lumber, doors, finishing material, etc., Harlin Lumber Co.; heating not let.*

S. C., Aiken—St. Thaddeus Episcopal Church will remodel and erect addition to auditorium; Simon & Lapham, Archts., Charleston.

S. C., Laurens—Baptist Church will erect addition; Martin & Ward, Archts., N. Main Street, Greenville; call for bids in about 1 week.

Tenn., Chattanooga—Mizpah Reform Jewish Congregation, Henry Wise, Pres., 331 S. Crest Rd., selected Henry B. Herts, 25 W. 43rd St., New York, as architect for Julius and Bertha Ochs Memorial Temple and educational building, McCallie Ave. and 8th St.; cost \$100,000.*

Tenn., Humboldt—First Presbyterian Church, Rev. E. M. Bryant, Pastor, will remodel and erect 2 Sunday-school rooms; cost \$15,000.

Tenn., Jackson—Central Church of Christ, Rev. R. L. Wilson, Pastor, Henderson, will erect building, Chester and Shannon Sts.

Tex., Amarillo—Central Presbyterian Church plans \$200,000 building; brick, stone and reinforced concrete. Address The Pastor.

Tex., Austin—St. Martin's Evangelical Lutheran Church will erect \$80,000 reinforced concrete and cut stone building; 2 stories, 35x110 ft., concrete floors and foundation, copper roof, interior tile, metal doors, steam heat, conduit wiring; furnishings, equipment, etc., \$25,000; Geo. Louis Walling, Archt., Scarbrough Bldg.*

Tex., Dallas—Cliff Temple Baptist Church, Dr. Wallace Bassett, Pastor, plans to erect 2-story gymnasium upon completion of 2 Sunday-school buildings under construction by W. T. Hardy, 1000 N. Bishop St.; Roy L. Thomas, 806 Scarbrough Bldg., prepared plans for Sunday schools.*

Tex., Marshall—Trinity P. E. Church will erect \$35,000 brick building after plans by J. W. Northrup, Jr., West Bldg., Houston; Gothic type, accommodate 250 to 300.*

Tex., Marshall—St. Joseph's R. C. Church, Rev. Saml. A. Cowan, Pastor, will erect \$85,000 brick building. Railroad and Grand Aves.; 1 story and basement, 48x125 ft., wood and concrete floors, concrete foundation, asbestos slate roof, metal ceilings, gas heat; Leo M. J. Dielmann, Archt., 306 E. Commerce St., San Antonio.*

Tex., Waco—Central Presbyterian Church, Dr. W. C. Burton, Pastor, plans to erect Sunday-school building, 13th and Washington Sts.

Va., Roanoke—Beth Israel Orthodox Congregation has started work on \$45,000 synagogue, Highland Ave. and Franklin Rd.; buff pressed brick; to accommodate 500; Sunday-school rooms, kitchen, etc.; Frye & Stone, Archts., McBain Bldg.; Thurston J. Davis, Contr.

Va., Cape Charles—Presbyterian Church, L. E. Mumford, Chmn. Bldg. Comm., will erect \$60,000 building, Tazewell Ave. and Strawberry St.

Va., Roanoke—First Presbyterian Church, W. S. McLanahan, Chmn. Bldg. Comm., will enlarge present auditorium to accommodate 1000 and erect Sunday-school annex instead of selling present property, as lately reported; total cost \$75,000.*

W. Va., Wheeling—First Presbyterian Church, Rev. C. B. Vineyard, Pastor, plans to erect community house.

City and County

Ala., Birmingham—City Commission, D. E. McLendon, Pres., will erect building facing civic center in Woodrow Wilson Park to replace city hall noted burned at \$800,000 loss; probable cost \$1,000,000.

Fla., Haines City—City, Mr. Ferrill, City Mgr., will remodel old grammar school, Hinson Ave. and Sixth St., for City Hall.

Fla., Okeechobee—Okeechobee County will issue \$200,000 bonds for courthouse; J. Gaynor Hyde, Archt., Miami.*

N. C., Durham—City, R. W. Rigsby, City Mgr., receives bids May 1 (lately noted May 4) at council room, Municipal Bldg., for fireproof municipal auditorium and theater building; cost \$250,000, brick, stone and terra cotta, 3 stories, 70x120 ft., composition, wood and mastic floors, concrete foundation, Johns-Manville and Barrett roofs, hollow and interior tile, metal ceilings and doors, vaults, mail chutes, ventilators, steel sash and trim, wire glass furnishings, equipment, etc., \$25,000 to \$50,000; plans and specifications to be returned with bids; Milburn, Heister & Co., Archts., First National Bank Bldg., Durham and Union Savings Bank Bldg., Washington, D. C.*

N. C., Winston-Salem—Forsyth County Comrs. are having plans drawn for remodeling and enlarging courthouse; cost \$250,000.

Okl., Newkirk—Kay County Commissioners, L. A. Kann, member, receiving bids May 21 for 3-story and sub-story courthouse; 75x120 ft.; jail on top floor, cost \$200,000; Clyde H. Woodruff, Archt., 400 Reynolds Bldg., Fort Worth, Tex.*

Okl., Pawhuska—Osage County Commissioners selected Tonini & Bramblett, 416½ W. Main St., Oklahoma City, as architects for jail addition.*

Okl., Tulsa—Tulsa County, Mrs. Robt. F. McArthur, Pres., Humane Society, Court-house, considers selling present children's home, 17th and Cincinnati Sts., and erecting structure at County Farm to accommodate 125.

Okl., Walters—Cotton County Commission receives bids June 2 for brick and reinforced concrete courthouse; 3 stories and basement, 75x90 ft.; heating, plumbing and wiring let separately; Tonini & Bramblett, Archts., 416½ W. Main St., Oklahoma City.*

Okl., Centerville—Hickman County will erect courthouse to replace present structure; probably about \$50,000; T. M. Huddleston,

CONSTRUCTION DEPARTMENT

Manufacturers Record

member of committee, to report May 11 on cost.*

Tex., Nacogdoches—Nacogdoches County Commissioners' Court will erect \$10,000 old women's home; 1 story, steam heat.

Va.-Tenn., Bristol—Bristol, Tenn., voted \$200,000 bonds, including \$50,000 for fire Address City Engr.

Dwellings

Ala., Tuscaloosa—M. C. Rumley and J. D. McQueen will erect 5 one-story bungalows; total cost about \$16,000.

Ark., Little Rock—F. C. Bush, Warren Apts., will erect \$12,000, 2-story, brick veneer residence, 206 Sherwood Rd.

Fla., Bradenton—B. M. Johnson Real Estate, Investment & Development Co., Inc., will erect 12 to 15 dwellings, various sections.

Fla., Cocoa—E. C. Johnson, Chmn., Brevard County Board of Comms., Church St. and Brevard Ave., will erect \$15,000 residence, Forest Ave. and Grimes St.

Fla., Coconut Grove—A. B. Wood will erect \$50,000 frame residence, Ye Little Wood.

Fla., Daytona—T. J. McReynolds, 425 Atlantic Ave., S. B., will erect \$15,000 residence and garage, Grandview Ave.

Fla., Fernandina—C. A. Jackson, Gen. Sec., Y. M. C. A., Jacksonville, purchased 4½-acre tract, Amelia Beach, and is reported to erect summer residence.

Fla., Hollywood—L. F. Miller, Chattanooga, Tenn., will erect several cottages surrounding court, W. Dixie Highway.

Fla., Jacksonville—Jas. W. Spratt, San Joline Apts., plans to erect Spanish type residence, Ortega Blvd.; Marsh & Saxeby, Archts., West Bldg.

Fla., Miami—Miami Construction Corp., Messrs. Otis, Bruce and Anderson, Inter-Southern Life Bldg., Louisville, Ky., owners, will erect 25 dwellings, Coral Gables; also plan to erect dwellings in other sections.

Fla., Miami—H. W. Nichols and Lindsey Hopkins, 58 Forsyth St., both Atlanta, Ga., plan to erect 50 dwellings, Coral Gables; total cost about \$500,000; plan to erect additional dwellings later.

Fla., Miami Beach—Chas. D. Mack will erect \$20,000 residence, Hibiscus Island; Lewis D. Brumm, Archt., Coral Gables.

Fla., Miami Beach—Kay Brown will erect \$20,000 residence, N. E. 80th St.

Fla., Miami Beach—Harry S. Bastian will erect \$30,000 residence, Pine Tree Drive, facing Indian Creek; Harold Atherton, Archt.

Fla., Miami Beach—Mead Brothers Construction Co., M. B. First Natl. Bank Bldg., will erect 5 dwellings, Sunset Lake subdivision; cost \$9750 each.

Fla., Miami Beach—Laurence Levy will erect \$20,000 triplex residence; owner to occupy section.

Fla., Miami Beach—J. L. Sibley will erect \$18,000 residence, Sunset Lake sub-division.

Fla., Sarasota—Geo. A. Day, Nahant, Mass., will erect residence, Central Ave.

Fla., Sarasota—C. H. Stuart, Newark, N. Y., will erect winter residence, Siesta Key.

Fla., Sarasota—Chas. D. Vary, Elgin, Ill., will erect residence, Central Ave.

Fla., St. Petersburg—Chas. G. Blake, 10835 S. Hayne Ave., Chicago, Ill., will erect Spanish type residence, 22d Ave. and 11th St.; C. Sedgwick Moss, Archt., 301 Summer Bldg.

Fla., Tampa—Walter Jones will erect 10 bungalows, Orange Ave., near Nebraska Ave.; 5 rooms and bath, cost \$6500 each; will also erect \$5000 office building, same location; 2 stories, stucco; apartment on second floor.

Ky., Whitesburg—Felix Fields will erect residence; contract in 2 weeks.

Ky., Whitesburg—P. Y. Pursifull will erect residence contract May 10.

La., New Orleans—M. J. Robinson, 612 S. Johnson St., plans to erect double cottage, Marais and St. Claude Sts.; separate contracts.

La., New Orleans—Mr. Green will erect \$15,000 residence, S. Rocheblave and Palmyra Sts.; frame and stucco, tile roof, Nokol heating; Weiss & Dreyfous, Archts., Maison Blanche Bldg.

La., New Orleans—C. W. Kittelman will erect raised frame residence, Louisiana Avenue Pkwy.; Lockett & Chachere, Archts., 521 Baronne St.; bids opened.

La., New Orleans—Jos. Layne will erect \$12,000 duplex, Pichelou St. near Dumaine St.; slate roof, tile baths, Arcola heating.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

metal garages; Lockett & Cachere, Archts., 521 Baronne St.

Md., Baltimore—J. C. Webster will erect 3 semi-bungalows, Gibbons Ave. W. of Twin Oak Ave., Hamilton; 1½ stories.

Md., Baltimore—Wm. Cook will erect \$25,000 residence and garage, 3903 N. Charles St.; 2½ stories, brick.

Md., Baltimore—Geo. W. Schoenhals & Co., 1223 Munsey Bldg., will erect number of dwellings, Green Spring and Shirley Aves.

Md., Baltimore—Catherine Cremon, 5408 Magnolia Ave.; will erect 2 frame dwellings, N. E. side Narcissus Ave. N. of Rogers Ave.; 2 stories, 24x32 ft., cost about \$10,000.

Md., Baltimore—Vincent Cooper plans to erect bungalow, Harewood Park.

Md., Baltimore—H. L. Engel will erect \$10,000 concrete residence, N. E. cor. Arabia and Weaver Aves.; 2½ stories.

Md., Baltimore—Highland Home Building Co., Montpelier St. and Cecil Ave., will erect 50 dwellings, 2400-54 Aisquith and 2701-43 Chase Sts.; 2 stories, 15x28 ft.; brick; total cost \$125,000.

Md., Baltimore—Edw. Morris Construction Co., 2431 Callow Ave., will erect 14 brick dwellings, Arcadia Ave. near Litchfield Ave.; 2 stories; total cost about \$35,000.

Md., Baltimore—Elbridge R. Faulkner, 527 N. Wolf St., will erect 3 semi-detached cottages, Oakcrest Rd. near Steffmoore Ave.

Md., Baltimore—Harlem Building Co., 2516 Edmondson Ave., will erect about 20 dwellings, N. side Arunah Ave., W. of Warwick Ave.

Md., Baltimore—Mary A. Harrison, 216 W. Monument St., will erect 2-story frame residence, S. W. cor. Edgevale Rd. and Springhouse Path, Roland Park; 33-ft. frontage; cost about \$10,000.

Md., Baltimore—Jacob S. Parr, 5308 York Rd., will erect 3 frame dwellings, S. W. cor. Genilworth and Glenwood Aves.; total cost \$10,000.

Md., Brooklyn (Station Baltimore)—Jerome Sloman, Atty., Union Trust Bldg., and others, plan to erect 35 brick dwellings, Patapsco and Chesapeake Aves. and Ninth St.; porches, 7 rooms and bath, 2 stories.

Md., Catonsville (Branch Baltimore)—Mohler Bros. will erect 2 Colonial dwellings, Forest Drive, Summit Park.

Md., Frederick—Chas. H. Kehne will erect brick residence, 13th and N. Market Sts.

Miss., Lake Cormorant—J. P. Shannon will erect residence, Mississippi Delta Highway; 2 baths, sleeping porch; Hubert T. McGee, Archt., Madison Ave. Bldg., Memphis, Tenn.

Mo., Kansas City—C. H. Ewald, 3323 Tracy St., will erect frame residence, 7427 Wayne Ave.

Mo., Kansas City—J. I. Jones will erect 2 dwellings, 724-26 E. 72nd St.

Mo., Kansas City—Earl C. Hallar, 210 E. 10th St., will erect frame dwelling, 2441 E. 72nd St.

Mo., Kansas City—E. V. Mittong, 3543 Central St., will erect 7 frame dwellings, Highland Ave.; total cost \$17,500.

Mo., Kansas City—Nulf & Hansen will erect 4 dwellings, 100-04-08-12 W. 60th St.; total cost \$24,000.

Mo., Kansas City—J. M. Ragland, 2816 Benton Blvd., will erect frame residence, 4805 Liberty St.

Mo., Kansas City—J. R. Allen Mortgage Co., 5637 Highland Ave., will erect 2 dwellings, 3403-05 Wayne St.

Mo., Kansas City—Mrs. Scott Allen will erect \$25,000 residence, 1244 W. 60th Street Terrace.

Mo., Kansas City—C. W. Bechtel will erect residence, 25 E. 67th St.

Mo., Kansas City—A. J. Brenner will erect residence, 5518 Virginia St.

Mo., Kansas City—R. B. Caldwell, 1100 Land Bank Bldg., will erect \$22,000 residence, 1215 W. 57th Street Terrace.

Mo., Kansas City—Crescent Investment Co. will erect 3 dwellings, 5511-15-17 Park St.

Mo., Kansas City—R. J. Dandor will erect residence, 108 W. 70th St.

Mo., Kansas City—Angelo Girard, 4302 Benton St., will erect 2 dwellings, 5033-37 Garfield St.

Mo., Kansas City—J. Hansen will erect residence, 5101 Garfield St.

Mo., Kansas City—G. M. Hartmann, 3038 Park Ave., will erect \$26,000 residence, 1256 W. 60th Street Terrace.

Mo., Kansas City—Norman Herring, 5930 Walron St., will erect 2 dwellings, 3604-08 E. 57th St.

Mo., Kansas City—R. H. Mann will erect residence, 24 E. 68th St.

Mo., Kansas City—L. L. Stone will erect 2 dwellings, 2537-41 Van Brunt Blvd.

Mo., Kansas City—E. J. Straub will erect \$3000 dwelling, 302 Brighton St., and 17 dwellings on E. 68th and E. 69th Terraces. (See Buildings Proposed—Hotels and Apartments.)

Mo., Kansas City—H. V. Thornburgh will erect residence, 7516 Locust St.

Mo., Kansas City—R. J. Willits will erect 2 dwellings, 5225-27 Woodland St.

Okl., El Reno—Maurice B. Baldwin, Oklahoma City, is drawing plans for \$50,000 residence; brick, 2 stories, 60x40 ft., brick and concrete foundation, composition roof, hardwood floors and finish.

Mo., Kansas City—F. M. Roux, 5524 Forest Ave., will erect 2 frame dwellings, 5601-5605 Forest Ave.; total cost \$11,000.

Mo., Kansas City—Fred Seebaum, 6201 Lee St., will erect frame residence, 3212 Norton Ave.

Mo., Kansas City—F. A. Taylor, 404 Bonfils Bldg., will erect frame residence, 201 W. 67th Street Terrace.

Mo., New Franklin—P. F. Smith and Chas. Evans will erect number of dwellings.

Mo., St. Louis—Gravois-Loughborough Realty Co. has started work on 19 bungalows, Loughborough Ave. and Brunswick St.

N. C., Durham—R. B. Stephens, Raleigh, will erect \$10,000 residence, Hermitage Court, Forest Hills.

N. C., Greensboro—B. B. Kendricks, 512 State St., will erect \$12,000 residence, Fairmont St. near Woodlawn St.

N. C., West Asheville (Station Asheville)—Yarrow Construction Co., A. E. Yarrow, Pres., 60 Conestee St., will erect 10 dwellings, Bella Vista; cost \$8000 to \$15,000 each.

N. C., Winston-Salem—C. F. Benbow, Ardmore St., will erect \$12,500 residence, Hyde St.; 8 rooms.

Okla., Tulsa—Jos. E. Washington, 1615 S. Denver Ave., plans to erect residence, 25th St. near Owasso Ave.

S. C., Chester—W. T. Graves let contract to C. W. Huggins for residence, Columbia St.

S. C., Columbia—Mrs. Doris W. Greene will erect hollow tile and brick residence beyond Heathwood; 1-story, composition shingle roof; J. H. Sams, Archt.

S. C., Greenville—C. F. Putnam, 507 Augusta Ave., will erect 30 dwellings, Francis Ave., Cedar, Haynie, Grove and Houston Sts.; total cost about \$20,000.

S. C., Orangeburg—Mayor Robt. H. Jennings will rebuild residence noted burned at \$800 loss.

Tenn., Chattanooga—Sam R. Read, Read House, plans to erect number of dwellings, if demand develops.

Tex., Austin—Walter Dunham, 202 E. 36th St., plans to erect residence, Speedway near 35th St.

Tex., Cuero—Chas. Breeden will remodel 2-story frame residence; Beverly W. Spillman, Archt., Alamo Bank Bldg.; bids opened April 30.

Tex., Dallas—Dallas Home Building Co., 4908 S. Central Ave., will erect 11 frame cottages, 2134 block Jerome St.; 5 rooms; total cost \$27,500.

Tex., Dallas—J. A. Heiskell, 1115 Hampton Road, will erect 7 frame cottages, 2423-30-43-47-50 and 2611-19 Lisbon St.; 5 rooms, brick veneer; total cost \$22,500.

Tex., Dallas—Chris Huber will erect \$12,500 cottage, 1227-29 Marsalis St.; 8 rooms, brick veneer.

Tex., Dallas—Theo. Lester will erect 3 frame cottages, 722-26-30 N. Crawford St.; 6 rooms; total cost \$12,000.

Tex., Dallas—J. H. Smith will erect \$14,000 brick veneer cottage, 5420 Bryan St.; 6 rooms.

Tex., Dallas—W. N. Vivrett, Jr., 6330 Bryant Pkwy., will erect \$12,500 residence, 1217 N. Edgefield St.; 9 rooms, brick veneer.

Tex., Denton—First Methodist Church will erect parsonage. Address The Pastor.

Tex., Jonesboro—A. G. Gebhard, M. D., 1210 Amicable Bldg., Waco, plans to erect residence near Jonesboro; will develop 300 acres.

Tex., Lubbock—C. R. Singer, Memphis, Tex., contemplates erecting residence.

Tex., San Antonio—Alfred Duerler, 210 E. Elmira Ave., will erect Spanish-type residence, Terrell Rd., Terrell Hills; 2 stories, hollow tile and stucco; Aug. Herff & Co., Archts.. S. A. Loan & Trust Co. Bldg.

Tex., Taylor—Jesse Womack will erect \$18,000 semi-fireproof residence; 2 stories, 20x60 ft., edge grain pine and concrete floors, concrete foundation, tile roof, interior tile, ornamental terra cotta, steel sash and trim, hot air heating, conduit system electric wiring; equipment, furnishings, etc., \$2000; Geo. Louis Walling, Archt., Scarborough Blvd., Austin; preparing plans.*

Tex., Wichita Falls—W. M. Moore reported receiving bids at office Sorey & Vahlberg, Archts., 212½ W. First St., Oklahoma City, for \$75,000 residence; stucco and brick tile roof; 2 stories, hardboard finish.

Va., Bluefield—Mrs. Geo. Dodd will erect 2 dwellings, Tazewell Ave.

Va., Danville—Geo. Temple, 138 Broad St., will erect number of dwellings, Montague St. near Mount Vernon Ave.

Va., Richmond—J. Lee Davis, Willowbrook, and W. S. Bell, 1901 Stuart Ave., will erect 6 cinder block and brick dwellings, Leigh St. near Altamont Ave.; 2 stories; total cost \$18,000.

Va., Richmond—L. T. Stoneburner, 3316 Floyd Ave., will erect \$13,000 brick residence, 3005 Brook Rd.

W. Va., Huntington—Real Estate Securities Co., 1427 4th Ave., E. L. Williams, Gen. Mgr., purchased 43-acre tract, 8th Street Rd., and will probably erect dwellings in connection with development.

Government and State

Fla., Tallahassee—State, Gov. Martin, will expend \$10,000 for painting and repairs to Governor's residence.

Mo., Fayette—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids May 20 for 1-story, brick-faced non-fireproof post office about 68x54 ft.; drawings and specifications from Custodian at site or from office Supervising Archt.

Okl., Fort Sill (Ind. Branch Lawton)—Government will erect \$30,000 mess hall at summer camp; 1-story, 20x47 ft.; items to be purchased include lumber, screen, roofing; bids opened May 1; Baird H. Markham, Adj't. Gen., Fort Sill.*

S. C., Camp Jackson (Mail Columbia)—National Guard will establish camp; 23 frame kitchens and mess halls, about 400 tent floors, water and electric systems; plumbing includes 3 new latrines, repairs to existing 10, shower baths and kitchen sinks; Arthur W. Hamby, Archt., Columbia; receiving bids.

Texas—State Board of Control, S. B. Cowell, Chmn., Austin, selected following architects for new structures: Giesecke & Harris, Littlefield Bldg., Austin, for Confederate Home also for School for Deaf; both Austin; H. F. Kuehne, Littlefield Bldg., Austin, State College for Feeble-minded, Austin; C. H. Page & Bro., Austin Natl. Bank Bldg., Austin, East Texas Hospital for Insane, Rusk; J. W. Ray, Jacksonville, resident architect's work at Rusk; Milton W. Scott, 412½ Franklin Ave., Waco, Home for Dependent and Neglected Children, Waco; Phelps & DeWees, Gunter Bldg., San Antonio, Southwest Texas Hospital for Insane, San Antonio, and State Tuberculosis Colony, Sanatorium; Voelcker & Dixon, Morgan Bldg., Wichita Falls, Northwest Texas Hospital for Insane, Wichita Falls; W. E. Ketchum, Pope Bldg., Austin, Austin State Hospital for Insane; H. O. Blanding, Corsicana, State Orphans' Home, Corsicana; soon select architect for State Epileptic Colony, Abilene; above work in connection with recently adopted building program at State Institutions, over 2-year period.*

Tex., Corsicana—State Board of Control, Austin; State Orphans' Home; H. O. Blanding, Archt. (See Buildings Proposed—Government and State, Texas.)

Tex., Palacios—Government reported to expand \$500,000 to construct permanent training camp for 36th Division of National Guard. Address Col. Lawrence Westbrook, Palacios.

Tex., Waco—State Board of Control, Austin; Home for Dependent and Neglected Children; Milton W. Scott, Archt., 412½ Franklin Ave. (See Buildings Proposed—Government and State, Texas.)

Hospitals, Sanitariums, Etc.

Fla., Lakeland—City receives bids May 20 for reinforced concrete, fireproof, Morell Memorial Hospital overlooking Lake Parker; cost \$300,000, 3 stories, basement and roof pavilion, 168x108 ft., 103 beds with accommodations for 30 additional in solariums, concrete and rubber tile or linoleum floors; Franklin O. Adams, Archt., Grand Theater Bldg., Tampa.*

Fla., Lake City—United States Veterans' Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., receives bids May 26 for construction complete of Mess and Kitchen Building and Garage and Fire Department Building at U. S. Veterans' Hospital No. 63; work includes reinforced concrete construction, hollow tile, metal lathing, built-up roofing, roof ventilators, marble and iron work, plastering, carpentry, insect screens, hand power lift, hardware, painting, glazing, plumbing, heating and electrical work and outside service connections; drawings and specifications from Constr. Div., Room 791, Arlington Bldg., or from Supt. of Constr. at site.*

Fla., Sarasota—Sarasota Welfare Assn. will erect \$75,000 Sarasota Hospital, Hawthorne St., near Osprey Ave.: \$30,000 administration section to be erected first; Doric type, brick, hollow tile or cement blocks and reinforced steel, built-up asphalt roof, stucco exterior, magnesite floors and bases, tile bath floors, steam heat, electric elevator, dumb waiter; Martin Studios, Inc., Archts.; plans ready for bids in about 10 days.

Fla., St. Petersburg—City, A. R. Welsh, Chmn. City Hospital Board, will erect \$16,000 nurses' home, Mound Park Hospital; 20 rooms; M. Leo Elliott, Archt., Hall Bldg.; plans available.

La., Baton Rouge—Charity Ward Assn., Dr. John McKown, member, Construction Comm., is having plans drawn for hospital to replace present structure.

La., New Orleans—Southern Baptist Hospital Comsn., Dr. F. S. Groner, Chmn., Bldg. Comm., receiving bids (date of closing not set) at office Favrot & Livaudais, Ltd. Archts., Hibernia Bank Bldg., for brick nurses' home, Cadiz St., near Magnolia At.; 2 stories, composition roof, steam heat; cost \$75,000.*

Okla., Chickasha—Dr. L. E. Emanuel will erect \$25,000 brick, 34x80 ft. hospital.

Okla., Ponca City—Schmidt, Garden & Martin, 104 S. Michigan Ave., Chicago, will prepare plans for \$250,000 hospital; John S. Alcorn, Vice-Pres., Marland Oil Co., to give \$125,000 if additional \$125,000 is raised.*

Tex., Austin—State Board of Control, Austin; Austin State Hospital for Insane; W. E. Ketchum, Archt., Pope Bldg. (See Buildings Proposed—Government and State, Texas.)

Tex., Austin—State Board of Control, Austin; hospital at Confederate Home; Giesecke & Harris, Archts., Littlefield Bldg., Austin. (See Buildings Proposed—Government and State, Texas.)

Tex., Houston—City Secretary receives bids May 6 for autopsy and garage building at City-County Hospital; plans and specifications from W. A. Dowdy, City Archt., Room 504, Central Fire and Police Station Bldg.

Tex., Kingsville—Kleburg County votes May 23 on \$35,000 bonds for addition to county hospital. Address County Comrns.

Tex., Lubbock—Lubbock Sanitarium, Dr. C. M. Overton, owner, receives bids May 5 for brick and reinforced concrete fireproof addition; cost about \$50,000, 3 stories, 35x80 ft., hardwood and cement floors, reinforced concrete foundation, Johns-Manville asbestos built-up roof, ventilators, 2-pipe vapor vacuum heat, telephones, enunciators, vacuum cleaners, no elevator; Peters & Haynes, Archts., 300-301 Palace Theater Bldg.*

Tex., Rusk—State Board of Control, Austin; East Texas State Hospital for Insane; C. H. Page & Bro., Archts., Austin Natl. Bank Bldg., Austin; J. W. Ray, Resident Archt., Jacksonville. (See Buildings Proposed—Government and State, Texas.)

Tex., San Antonio—State Board of Control, Austin; Southwest Texas Hospital for Insane; Phelps & DeWees, Archts., Gunter Bldg., San Antonio. (See Buildings Proposed—Government and State, Texas.)

Tex., San Antonio—State Board of Control, Austin; State Tuberculosis Colony; Phelps & DeWees, Archts., Gunter Bldg., San Antonio. (See Buildings Proposed—Government and State, Texas.)

Tex., Wichita Falls—State Board of Control, Austin; Northwest Texas Hospital for Insane; Voelcker & Dixon, Archts., Morgan Bldg. (See Buildings Proposed—Government and State, Texas.)

Ala., Birmingham—R. G. Harden will erect \$20,000 apartment building, 34th Place and 17th Ave., North; brick veneer.

Ark., Fayetteville—James A. Ward, Sr., 701 N. 12th St., Fort Smith, owner of Mountain Inn, plans extensive improvements; in-

clude colonial entrance, 2-story annex, stone surface for exterior.

Fla., Avon Park—Avon Investment Co., care E. G. Todd, incorporated to erect \$300,000 hotel, Lake and North Main Sts.; 3 stories, brick with stone trimmings, 220x120 ft.*

Fla., Cocoa—A. H. Smith and L. I. Spillman announced plans for 3-story, \$25,000, Spanish-type, hollow tile and stucco building, Brevard Court and Orange St.; 6 stores on first floor, 6 apartments on each floor above.

Fla., Eau Gallie—Harbor City Hotel Co., Dr. W. J. Creel, Pres., purchased property on Pineapple Ave., facing Indian River and Ninth St., as site for proposed hotel; hollow tile with stucco exterior, 50 rooms with 6 stores on ground floor.

Fla., Gainesville—W. M. Dale has option on Graham Hotel, reported to plan extensive improvements.

Fla., Haines City—Victor Wray plans to erect second-story addition to theater building, Sixth St., as hotel annex.

Fla., Haines City—Ralph Polk, heading local syndicate, announced plans to start work about June 15 on \$260,000, 9-story hotel building, Hinson Ave. between 8th and 9th Sts.; plans in progress by Frederick Wallack, Archts., Indianapolis, Ind., at Winter Park office.

Fla., Hollywood—Mr. and Mrs. H. B. Hutchinson soon start work on 3-story, interlocking tile apartment building, Fifth Ave. and Taylor St.; John N. Peterman, Archt., Fort Lauderdale.

Fla., Hollywood—Mrs. Louise Barr, Tallahassee, will erect apartment building on Lincoln St.

Fla., Marco—R. Clarence Brown, 549 W. 43rd St., Chicago, purchased 229 acres on Marco Island; reported to erect large hotel.

Fla., Miami—Ideal Builders Co. will erect \$25,000, 2-story, concrete block, 12-family apartment building, N. E. 34th St.; Robert L. Weed, Archt., 322 N. E. Second Ave.

Fla., Miami—W. W. McFarland, 32 S. Miami Ave., will erect garage-apartment building, S. W. Eighth St. (See Buildings Proposed—Stores)

Fla., Miami—Hugh Trammell, Eldorado, Ill., soon start work on 4-family apartment house, N. E. 81st St. near East Dixie Highway.

Fla., Miami—F. L. George, 102 N. E. 23rd St., has plans by H. Hastings Mundy, 218 N. E. 5th St., for \$15,000, 2-story, concrete block apartment building, N. W. First Ave. and 28th St.

Fla., Miami—Norman W. Parlee, 753 S. W. Third St., has plans by H. Hastings Mundy, 218 N. E. Fifth St., for \$12,000 apartment building, 753 S. W. Third St.

Fla., Miami Beach—A. L. Sammons, 608 5th St., will erect \$48,000 hotel building.

Fla., Miami Beach—Joseph Becker has plans in progress by W. F. Brown, 608 5th St., for two 3-story, 36-apartment buildings, Euclid Ave., to cost \$75,000 each.

Fla., Miami Beach—William F. Higgins, Bayonne, N. J., will erect \$17,000, 4-family apartment building, Euclid Ave.

Fla., Miami Beach—Kelsey & Smith have plans in progress by W. F. Brown, 608 5th St., for \$40,000, 16-apartment building, Meridian Ave.

Fla., Miami Beach—Mr. and Mrs. Warren K. Mizelle have plans by George E. T. Wells and G. Lloyd Preacher & Co., Archts., 124 E. Flagler St., for \$100,000, Spanish type, 3-story, concrete and tile hotel-apartment building, Michigan Ave. and Third St.

Fla., Miami Beach—Shepherd & Davenport have plans by W. F. Brown, Archt., 608 5th St., for 4 apartments, Second St. and Meridian Ave.; each to contain living room, dining room, kitchenette, bedroom, dressing room and sleeping porch; \$12,000 each.

Fla., Ocala—Board of Directors of Chamber of Commerce considering survey by Hockenberry System, Inc., Harrisburg, Pa., for erection of \$500,000, 100-room, fireproof hotel building.

Fla., Okeechobee—Russell Hull and William Griffis plan to erect \$12,000 apartment building, Sixth St. and Kissimmee Ave.

Fla., Palatka—Chamber of Commerce and Gazelle Hotel Bureau, care Chamber of Commerce, organizing company to purchase James Hotel property and lots adjoining on N. 3d St.; plan to erect \$500,000, 150-room, 4-story, brick and steel building and remodel present structure.

Fla., St. Petersburg—Oscar S. Grower purchased Westminster Presbyterian Church, Mirror Lake Drive and Moffet Ave. North; contemplates erecting hotel building.

Fla., St. Petersburg—Henry H. Love, 17

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24th St., S., has plans in progress by Leitner & Talley for \$400,000, 12-story, fireproof, 100x120-ft. building, N. W. Cor. 2nd St. and 2nd Ave.; first and mezzanine floors for automobile display, hotel rooms above providing 150 outside rooms with baths, luncheon rooms, cafe, etc.

Fla., St. Petersburg—St. Petersburg Golf Development Co. reported to contemplate erecting \$500,000 hotel on site of present St. Petersburg Country Club.

Fla., St. Petersburg—C. V. Hudson will erect \$30,000, 3-story, tile, 36-room, 18-apartment building, 860 Fifth Ave., South.

Ga., Savannah—Mrs. Mary P. Bryan purchased lot 40x115 ft., Bolton between Waters Ave. and Ott St., plans to erect 2 apartments.

Ky., Hazard—Madie B. Crossfield will erect \$15,000 apartment house, Baker Ave.; contract in 2 weeks.

Ky., Whitesburg—Reliance Coal Co., Glower, Ky., will erect hotel building; contract in 10 days.

La., New Orleans—O. P. Mohr, Archt., 202 Carondelet Bldg., soon call for bids for converting 3-story building, 813-9 Dryades St., into stores and apartments; composition roof, tile baths, hot water heaters, oil burning system; \$30,000.

La., New Orleans—St. Charles Realty Co., Whitney Bldg., has plans by O. P. Mohr, 202 Carondelet Bldg., for alterations to 3-story brick building, 713 St. Joseph St., into stores and apartments; concrete slab, hollow tile walls, slate and composition roofing, hot water heaters; \$10,000.

Mo., St. Louis—Coronado Hotel, Spring and Lindell Sts., has plans by Preston J. Bradshaw, 1012 International Life Bldg., for \$10,000, 1-story, 15x75 ft. addition; tile roof, steam heat.

Md., Baltimore—John L. Robertson, 3020 St. Paul St., plans to erect \$30,000, 4-story, cinder-block 8-apartment house, Canterbury Road near 39th St.; Frederick E. Beall, Archt., 306 St. Paul St.

Mo., Kansas City—Henry Hoelzel will erect \$15,000, 3-story apartment building, 2710 Cherry St.

Mo., Kansas City—E. J. Straub will erect \$12,000, 4-apartment building, 4116 the Paes, \$3000 dwelling, 302 Brighton St., and 17 dwellings on E. 68th and E. 69th Terrace; total cost \$50,000.

Okla., Oklahoma City—J. S. Kerfoot will erect \$10,000 apartment building, 804 W. 23rd St.

Okla., Oklahoma City—M. M. Williams, 3228 Classen St., will erect \$30,000 apartment building, 1214 W. 18th St.

Okla., Spavinaw—W. M. Fleetwood and Cass Holloway, both Tulsa, will erect 2-story, 32-room hotel.

Tenn., Chattanooga—Sam R. Read, 600 Vine St., announced bids will be opened May 12 for 10 or 12-story hotel on site of Read House; Mark Wilson Co. and T. S. Mondy & Co. will bid on work; Holabird & Roche, Archts., 1400 Monroe Bldg., Chicago, Ill.*

Tex., Burnet—E. R. Misner and Son, Richard Misner, Dallas, considering erecting \$75,000 hotel building.

Tex., Cameron—Commercial Club and Lions' Club sponsoring erection of \$125,000 hotel building.

Tex., Dallas—L. A. Scott will erect \$27,500, 32-room, brick veneer, 8-apartment building, 926 Center St.

Tex., Dallas—J. T. Bristow, 4703 East Side, will erect \$10,000, 16-room, brick veneer, 4-apartment building, 4703 East Side.

Tex., Dallas—L. J. Eppins will erect \$32,000, brick veneer, 12-apartment building, 300-24-6 N. Henderson St.

Tex., Dallas—George Huff will erect two \$20,000, 36-room, brick veneer, 12-apartment buildings, 2523-7 Maple St.

Tex., Dallas—Rucker & Jones Building Co., 1317 Commerce St., has plans in progress by Lang & Witchell, American Ex. Bank Bldg., for \$1,000,000, 7-story apartment hotel, contain 155 apartments, South Ervay, Canton and Royal Sts.; ground floor facing Ervay St., for business purposes, storage garage in rear; Stfel, Nicolaus & Co., Inc., St. Louis, financing.

Tex., Galveston—Dr. Cooper, 805 23rd St., will erect \$10,000, brick veneer, 4-apartment building and garage, 1414 W. Pierce Ave., Rosemont Heights Addition.

Tex., Galveston—C. C. Rouse will erect \$10,000, brick veneer apartment and garage, 4116 Lamar Ave.; 2 rooms, bath, breakfast room, sun parlor and hall each.

Tex., Hereford—Chamber of Commerce interested in erection of \$100,000 80-room, brick and concrete hotel building.

Tex., San Antonio—L. H. North, 813 Lewis St., contemplates erecting 2-story, frame, 3-apartment building, 300 block E. Mulberry Ave.

Tex., Seymour—Ed. W. Newman, care Rogers Hotel, Waxahachie, soon receive bids for \$60,000, 80x138x44 ft., brick, stone and reinforced concrete, fireproof, 3-story and part basement, L-shaped hotel building; H. O. Blanding, Archt., Hardy, Peck & Peck Bldg., Corsicana.*

Va., Halifax—Ira Vaughan, Philadelphia and Halifax, and associates, purchased Halifax Inn; will enlarge and improve.

Va., Luray—William H. Herrell promoting erection of 100-room hotel; option on site obtained.

Va., Richmond—Walter Kirsch, 210 W. 9th St., organizing syndicate to incorporate with \$1,000,000 authorized capital for erection of 4-story hotel building, Ninth and Broad Sts.; 72x110 ft., enclosed roof garden; Carnal & Johnston, Va. Rwy. & Power Bldg., Archts.

W. Va., Wheeling—E. B. Bowie, representing Security Trust Co., purchased Stratford Springs Hotel property at Woodlawn; plans to form stock company for erection of tourist hotel.

Miscellaneous

Ala., Anniston—Clubhouse—Anniston Country Club, Stokely M. Caudle, Pres., will issue \$50,000 bonds for securing additional land finance club; will erect new clubhouse.

Ark., Little Rock—Following permits for buildings at Fair Park issued: Keenan-Hemphill-McQuilken Co. to erect roller coaster, \$25,000 and Old Mill, \$25,000; Miller Concession Co., refreshment pavilion, \$10,000, and merry-go-round at \$40,000.*

Ark.-Tex., Texarkana—Texas & Pacific Ry. Co. plans to erect clubhouse for employees; E. F. Mitchell, Archt., Dallas.

Fla., Hialeah—Miami Kennel Club, O. P. Smith, Mgr., will rebuild grandstand and probably erect clubhouse.

Fla., Hollywood—H. R. Holihan and son, Glenn Holihan, Flint, Mich., purchased West Hollywood property; will build soon.

Fla., Miami Beach—Stapp, Vining & Ward, preparing papers of incorporation for syndicate to erect \$2,500,000, 10-story building to be known as The Miami Beach Club; incorporators names withheld; 500 sleeping rooms, 2 swimming pools, clubrooms, auditorium, smoking and reading rooms, grill, dining room, etc.; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Fla., Okeechobee—Clubhouse—G. R. Millard and Attorney Miller of Spedigar & Miller, both Miami, reported to erect \$20,000 clubhouse on Kissimmee River near Harding Memorial Bridge.

Fla., Venice—Clubhouse—Anglers' Club receives bids May 2 for club building after plans by John M. Peterman, Archt., Fort Lauderdale.*

Md., Baltimore—Clubhouse—Maryland Yacht Club, Christian Grecht, Commodore, 1330 S. Sharp St., plans remodeling and improving clubhouse in Broening Park.

Miss., Jackson—Cafe—J. B. Scarmotos, 1056 Robinson St., Mgr. of Cafe Lorraine, plan to remodel and enlarge.

Mo., Kansas City—Westport Hotel Operating Co., George H. Siedhoff, Wichita, Kansas, Pres., erecting \$2,000,000, 12-story hotel, N. E. cor. 11th and Baltimore Aves., has plans by Shepard & Wiser, Archts., 1209 R. A. Long Bldg., for \$500,000, 157x108 ft., 3-story and basement, fireproof building on corner opposite; contain storerooms and lobby on street frontage with garage in rear, ballroom, private dancing rooms and stage on second floor; brick walls, terra cotta trim, Spanish Renaissance type.

N. C., Asheville—Funeral home—Noland-Brown Co., 16 Church St., M. C. Noland, Mgr., purchased lot on Biltmore Ave.; will erect home in near future.

N. C., Brevard—Chamber of Commerce, E. P. McCoy, Pres., promoting erection of clubhouse and 9-hole golf course.

N. C., Durham—Stadium—J. B. Duke, Hermitage Road, Myers Park, Charlotte, and 1 E. 78th St., New York, reported to contemplate erecting athletic stadium to seat 40,000.

Oklahoma, El Reno—Funeral Home—L. Benson has plans in progress by Maurice B. Baldwin, Oklahoma City, for \$40,000, 2-story, 35x50 ft., brick home; brick and concrete foundation, shingle roof, hardwood floors and finish, hot air heating, elevator.

Tenn., Chattanooga—Clubhouse—Chattanooga Automobile Club, Dick Park, Sec., soon

start work on country home on Walden Ridge.

Tex., Harlingen—Elwing & Mulhausen, Archts., preparing plans for \$60,000 auditorium to seat 9000, at Valley Mid Winter Fair Grounds; contain 100 exhibition booths.

Tex., San Antonio—San Antonio Club and Chamber of Commerce consider erecting building. (See Buildings Proposed—Bank and Office.)

Tex., San Antonio—West Texas Fair Assn., W. R. Keeble, Pres., will erect coliseum and exhibition building in near future; \$50,000, brick and concrete.

Tex., Val Verde (Mall El Paso)—Val Verde Amusement Co. received bids, soon let contract for \$19,000 swimming pool; work on \$85,000 clubhouse, to be in nature of tourist hotel, will start with completion of pool.

Va., Danville—Orphanage—Col. A. B. Cartington, Pres. Board of Trustees, will receive \$1,500,000 bequest from late John E. Hughes for erection of orphanage; \$500,000 will be devoted to buildings and \$1,000,000 for endowment; include administration building, chapel, school and power plant; cottages between major buildings to accommodate 20 children each.

W. Va., Huntington—Camp—Huntington Tourist Camp Assn., J. J. West, Chmn., of Camp Construction Comm., plans to construct \$15,000 tourist camp, West 21st St. between Virginia Ave. and Ohio River; include clubhouse and 2 bathhouses.

W. Va., Huntington—Walter H. Lewis, 801 Fourth Ave., announced plans for refrigerated market, Third Ave., to cost \$150,000; equipment will cost \$60,000; hotel rooms on second floor.

W. Va., Princeton—Mercer Country Club plans to erect \$30,000 clubhouse.

Railway Stations, Sheds, Etc.

Fla., Daytona—Florida East Coast Rwy. Co., H. N. Rodenbaugh, Gen. Mgr., St. Augustine, reported to erect 40x400 ft. freight station and yard.

Ga., Columbus—Central of Georgia Rwy. Co., C. K. Lawrence, Ch. Engr., Savannah, Ga., soon ask for bids for improvements at union passenger station to cost \$35,000; plans include removal of train sheds, erection of 3 butterfly sheds, concrete platforms, enlargement of station building.

Schools

Ala., Anniston—School Board, W. A. White, Supt., contemplates \$100,000 bond election for construction, repairs and enlargement of buildings; include new grammar school on Noble and 22nd Sts., 4-room addition to Sixth Ward School; will vote on June 2.

Ala., Jacksonville—Board of Education will call election May 25 on \$25,000 bonds for replacing High School building, recently burned.

Ala., Mobile—Board of School Commissioners, H. H. Wefel, Jr., Pres., will call election June 22 on \$200,000 bonds for completion of high school building on Carlen site.

Ala., Patton—Trustees of Walker County Industrial School for Negroes contemplate replacing building burned, with \$10,000 brick structure.

Fla., Fernandina—Nassau Parish Board of Public Instruction plans to purchase site and erect \$75,000 school building.

Fla., Fort Meade—Fort Meade School District voted \$100,000 bonds for new school buildings. Address Polk County Board of Public Instruction, Bartow.*

Fla., Haines City—Board of Education soon call election on \$75,000 bonds for new grammar school building.

Fla., Lakeland—Lakeland School District voted \$200,000 bonds for 2 new grade schools and purchase of high school site. Address Polk County Board of Public Instruction, Bartow.

Fla., Marianna—Trustees of Marianna schools considering expansion; include converting dwellings into primary school, erection of high school building.

Fla., Oneida—Manatee County Board of Public Instruction, Bradenton, called for bids for \$40,000, 4-classroom and auditorium school building.

Fla., Sarasota—Sarasota County Board of Public Instruction, T. W. Yarbrough, Supt., has completed plans by M. Leo Elliott, Citizens Bank Bldg., Tampa, receives bids until May 26 for two \$85,000, Spanish Renaissance type, hollow tile and stucco, 16-classroom,

2-story elementary school buildings; voted \$200,000 bonds.*

Fla., St. Petersburg—Wm. B. Ittner, Archt., Board of Education Bldg., St. Louis, Mo., advises plans will be ready within about 60 days for \$750,000 Central High School building, 7th Ave., N., between 24th and 25th Sts. (recently reported to open bids April 28).*

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., receives bids until May 4 for addition to East Tampa School, for Special Tax School District No. 4, De Soto Park; plans and specifications may be obtained from C. Frank Galliher, Archt., 833 S. Dakota Ave.

Fla., Welborn—Suwannee County Board of Public Instruction, T. W. Sweat, Supt., receives bids until May 5 for two styles of building, 1-story, seven-room and 2-story seven room, brick.

Fla., Zephyrhills—Board of Education soon select site for proposed new school building.

Ga., Waycross—Board of Education will proceed immediately with erection of addition to Central High, colored school and addition to Gilchrist Park School; 2-story, 12-room wing to Central High, extending along Lott St.; 8 classrooms and auditorium in negro school; 2-classroom addition to Gilchrist and remodeling of roof.*

Fla., Winter Haven—Winter Haven District voted \$250,000 bonds for erecting \$200,000 High School and \$50,000 ward school. Address Polk County Board of Public Instruction, Bartow.*

Ga., Macon—Bibb County Board of Education selected Dunwody & Oliphant, Archts., 460 Broadway, and Claude W. Shelvertown, Asso. Archts., for Newberg School, Houston Ave.; central portion 2 stories, balance 1 story; asked Board of County Commissioners for \$100,000.*

Ky., Newport—City Commissioners contemplate \$325,000 bond election soon for school improvements.

La., Baton Rouge—East Baton Rouge Parish School Board, W. H. Perkins, Pres. selected Wm. T. Nolan, New Orleans, Archt., Canal-Commercial Bldg., for \$450,000 high school building; Wogan & Bernard, Baton Rouge, Archts., for white elementary school; Jones, Roessle & Olschner, Blanche Bldg., New Orleans, Archt., for negro elementary school; recently voted \$1,000,000 bonds.*

La., Basile—Board of Trustees of Evangeline Preparatory School plan \$45,000 rebuilding campaign.

Md., Baltimore—Peabody Conservatory of Music, Board of Trustees, will start work June 1st on preparatory department building, Mount Vernon Place; contain administration rooms, studios, recreation rooms, recital auditorium, assembly rooms, etc.; Parker, Thomas & Rice, Archts., Union Trust Bldg.; will install pipe organ in main concert hall; will have 4 manuals, 60 stops and movable console.*

Miss., Hazlehurst—Board of Trustees Strong Hope Consolidated School plans to erect school addition.

Miss., Senatobia—Moores, Rock Hill, Palestine and Perry Church school districts consolidated into Moores Consolidated School District, will soon vote on bonds for erecting school building and teachers' home. Address Tate County Board of Education, Miss Clayton, Supt.

Mo., Columbia—Board of Education selected William B. Ittner, Board of Education Bldg., St. Louis, Archt. for High School, 12-room Benton Grade School and manual training department of Fred Douglass High School for colored.*

Mo., Doniphan—School Board has plans in progress for gymnasium and repairs to High School; \$15,000 bonds recently voted.

Mo., Hannibal—Board of Education, Livingston McCarthy, Supt., opens bids this week for erection of \$115,000, 2-story and basement, 110x195-ft., brick and stone trim Central school building, Bird St.*

Mo., Marshfield—Board of Education has plans by Geo. F. Reed, Springfield, for \$35,000 addition to High School building.

N. C., Charlotte—J. M. Matthews, County Supt. of Schools, receives bids until May 4, for 16-room and auditorium, brick school building for Crab Orchard Township on Monroe Road; Frank B. Simpson, Archt., Briggs Bldg., Raleigh.

N. C., Charlotte—Board of School Commissioners, H. P. Harding, Sec., receives bids this week for 6-room, fireproof school in Ward 11 and brick veneer, 8-room building in Ward 7; Louis H. Asbury, Archt., Realty Bldg.

N. C., Elizabeth—School Board, W. H. Jennings, Sec., reported approved plans by

Benton & Benton, Archts., Wilson, for \$15,000, 9-bedroom teacherage.

S. C., Columbia—Booker Washington Industrial School has permit for erecting \$35,000, 2-story, brick building, 1400 Blossom St.

N. C., Graham—Alamance County Board of Education receives bids May 2 for erecting and heating school building at Fair Grounds, between Burlington and Graham; Linthicum & Linthicum, Archts., 117 W. Martin St., Raleigh.

N. C., Raleigh—Peace Institute Building Committee, Capt. Nathan O'Berry, Goldsboro, Chmn., launched campaign for erection of 2 new buildings.

Mo., Independence—Pitcher District voted \$29,000 bonds; Board of Trustees approved site.

Ola., Ada—Cedar Grove School District, J. E. Chandler, Clerk, opened bids for 1-story, brick and stone school building; Albert S. Ross, Archt.

Ola., Braggs—District No. 4, near Braggs, R. P. Hammond, Dan Jayne and N. Craig, officials, contemplate erection of school building.

Ola., Geary—City voted bonds for erecting \$28,000 grade school; address School Board.

Ola., Norman—Faculty Club at University of Oklahoma, A. B. Adams, Pres., will erect \$18,000 club building; Archt. not selected.

Ola., Putnam—Consolidated District No. 1 voted \$50,000 bonds for new brick High School building; Mrs. Ida. M. Hale, Supt. Dewey County Board of Education, Taloga.*

Ola., Rocky—Rocky School District voted \$20,000 bonds for new school building; address Gertrude Hartley, Supt., Washita County Board of Education, Cordell.*

Ola., Seiling—Dewey County Board of Education, Taloga, will erect \$35,000 school building; bonds recently voted.

Ola., Yukon—School Board, Ralph Myers, Supt., call election soon on \$45,000 bonds for new High School building.

S. C., Marietta—Marietta School District voted \$15,000 bonds for new school building. Address Board of Trustees, care A. P. Sutherlin.

Tenn., Bristol—City voted \$200,000 bonds, including \$150,000 for new school in Fairmount section. Address D. A. Berger, Sec. School Board.*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, opened bids for addition to Orchard Knob Ave. colored grammar school; all bids too high, probably reject and receive new ones; Mark Wilson, Tennessee Electric Power Bldg., low on general bid at \$74,671; Fred Cantrell Co., 607 Market St., wiring, plumbing and heating at \$9969; C. E. Bearden, Archt., First Natl. Bank Bldg.*

Tenn., Chattanooga—Hamilton County Board of Education, J. V. Trotter, Chmn., announced plans made and specifications in progress by Crutchfield & Gosnell, Archts., Vol. Life Bldg., for \$30,000 mountain stone, 5 or 6-room school building on Signal Mountain; W. H. Sears, Archt., James Bldg., completed plans for St. Elmo and Alton Park Junior High, to cost \$75,000, 10 or 12 rooms, brick and stone construction.*

Tenn., Etowah—McMinn County Board of Education, Athens, will erect \$40,000 to \$50,000 high school building.

Tenn., Kingsport—Mayor and Board of Aldermen rejected bid received for excavation and concrete foundation work for high school building, Linnville and Wateree Sts.; will build by day labor; Allen N. Dryden, Archt., 558 Main St.*

Tenn., Nashville—Southern College of Y. M. C. A. will inaugurate campaign for \$75,000 of \$1,000,000 building and endowment fund; D. E. Edgerton, Gen. Chmn.

Tex., Austin—State Board of Control, S. B. Cowell, Chmn., selected Giesecke & Harris, Archts., Littlefield Bldg., for buildings at State School for Deaf and H. F. Kuehne, Archt., for buildings at State College for Feeble-Minded. (See Buildings Proposed—Government and State.)*

Tenn., Signal Mountain—See Tenn., Chattanooga.

Tex., Andice (R. Sta. Liberty Hill)—Rural schools of White House and Seymour voted to consolidate, will call \$20,000 bond election for erecting school building. Address Williamson County Board of Education, George-Town.

Tex., Austin—University of Texas Board of Regents, E. J. Matthews, Sec., receives bids until May 19 for \$350,000, 3-story and

basement, brick, stone and reinforced concrete, 158x83 ft. Recitation Building; Herbert M. Greene, Archt., 620 North Texas Bldg., Dallas.*

Tex., Brownwood—Daniel Baker College, Ben F. Stone, Administrator, soon start plans for erection of science hall, gymnasium and boys' dormitory building; \$300,000, brick, stone and concrete.

Tex., Gregory—School Board will call election May 16 on \$30,000 bonds for new brick school building.

Tex., Hereford—School Board, E. B. Posey, Sec., opens bids May 14 for \$120,000, 3-story high school building; concrete foundation, tar and gravel roof; E. F. Rittenberry, Archt., Amarillo; bonds voted.*

Tex., Hereford—Board of Trustees Hereford Independent School District, E. S. Ireland, Pres., call new election on \$125,000 bonds for High School building; contract to be let May 14; E. F. Rittenberry, Archt., Amarillo.*

Tex., Houston—Board of Education, Houston Independent School District, H. L. Mills, Bus. Mgr., P. O. Box 1226, receives bids until May 8 for erecting Montrose Junior High School building; plans and specifications may be secured from H. W. Jonas and R. D. Steele, Asso. Archts., Union Natl. Bank Bldg.*

Tex., Houston—Board of Education, Houston Independent School District, H. L. Mills, Bus. Mgr., receives bids until May 4 for plumbing, heating and electric wiring Eastwood Junior High and Norhill Junior High Schools; plans and specifications may be secured from Briscoe, Dixon & Sullivan, Asso. Archts., 1702 Carter Bldg., for Norhill School, and Endress & Cato and Joseph Finger, Asso. Archts., Banker Mortgage Bldg.*

Tex., Hull—Hull Independent District Board of Trustees opens bids May 27 for erecting, plumbing, wiring and equipping school buildings; total \$197,000; Livesay & Wiedemann, Archts., 607 San Jacinto Bldg., Beaumont; address W. C. Morgan, P. O. Box 186, District Business Agent.*

Tex., Kingsville—Kleberg County Commissioners hold election May 23 on \$35,000 bonds for brick and concrete addition to Kleberg County College.

Tex., Littlefield—Board of Education selected W. R. Kaufman, 107 Monroe St., Amarillo, Archt., for \$100,000, 1-story, brick and concrete school building; election on bonds May 22.*

Tex., Marshall—Wiley College, M. W. Dogan, Pres., opens bids about June 1st for furniture for 62-room, 3-story and basement dormitory, under construction by Quisle & Andrews, 2212 W. 7th St., Fort Worth; each room consists of 2 single beds, 2 mattresses, 2 chairs, 1 table and 1 dresser.*

Tex., Mineral Wells—Board of Education, T. T. Bouldin, Pres., granted petition to call \$100,000 bond election for repairs and additions to school buildings.

Tex., Morton—Board of Education soon call for bids for \$100,000, brick and reinforced concrete school building; W. R. Kaufman, Archt., 107 Monroe St., Amarillo.

Tex., Muleshoe—Board of Education receiving bids for \$65,000, 2-story, brick and reinforced concrete school building; W. R. Kaufman, Archt., 107 Monroe St., Amarillo.*

Tex., San Antonio—Westmoorland College, Dr. E. R. Stanford, Pres., plans to raise \$300,000 for enlarging and equipping; Dick O. Terrell, Pres. Board of Trustees.*

Tex., San Antonio—Richard Vander Stratton, Archt., Travis Bldg., preparing plans for \$25,000, 2-story and basement, brick and concrete, cast stone trim, Industrial School Building for colored.

Tex., Temple—Board of Education receives bids until May 5 for addition to High School, Reagan School, grammar school and negro school, including plumbing, heating and wiring; brick and concrete, cost \$90,000; Page Brothers, Archts., Austin Natl. Bank Bldg., Austin.*

Tex., Tilden—School Board called election this week on \$25,000 bonds for new school building.

Va., Altavista—Campbell County Board of Education, Leo A. Arthur, Chmn., receives bids May 6 for addition to high school building and equipment; 95x125 ft., 1-story, brick and tile walls with wood roof trusses.*

Va., Covington—Alleghany County Board of Education, J. G. Jeter, Supt., opened bids for heating system for addition to graded school; G. T. Fridley, low bidder, at \$5200.

Va., Falls Church—Rossel Edward Mitchell, Archt., Washington, D. C., preparing plans for \$75,000, brick or stone, 10-classroom and

auditorium school building; J. F. Haverty, clerk.*

W. Va., Keyser—City defeated \$50,000 bonds for completion of High School. Address Board of Education.*

W. Va., Morgantown—Board of Education, Morgantown Independent School District soon let contract for 3 new buildings of High School group; Cole Brothers, low bidders at \$653,786; E. B. Lee, Archts., Pittsburgh, Pa.*

Stores

Ark., Brickeys—Hope Brooks and J. A. Kinard & Son plan to replace burned buildings with brick structures.

Ark., Little Rock—J. M. Branch, 1019 E. Washington St. No. L. R., will erect \$10,000 store building, Washington Ave. and Magnolia St.

Ark., Little Rock—Sidney L. Kahn, Kahn Bldg., purchased property 150x140 ft., Sixth St. and Broadway, reported to erect mercantile building.

Fla., Buena Vista—J. C. Lett and associates plan to erect department store building, 38th and 39th Sts.

Fla., Cocoa—M. H. Davis, Mgr. of United Realty Co., announced plans for 56x107 ft. store and apartment building, Brevard Court and Orange St.

Fla., Fort Pierce—C. H. Peacock, Oak and Granite St., Philadelphia, and Fort Pierce, purchased property, N. E. Avenue A and Fourth St.; will replace present houses with business building.

Fla., Hollywood—C. C. Shaffer will erect store and apartment building, Ocean Drive.

Fla., Lakeland—J. E. Melton, C. R. Rodgers and C. T. Bland purchased 200x135 ft., Kentucky Ave. and Orange St., reported to contemplate erecting business block.

Fla., Miami—Bouman-Boss Co. will erect \$40,000, 3-story commercial building, 133 N. E. Tenth St.

Fla., Miami—W. W. McFarland of McFarland Tent & Awning Co., 32 S. Miami Ave., start work May 1 on two 3-story buildings, one a store and workshop, other garage-apartment with 4 apartments and room for 12 cars; H. George Fink, Archt.

Fla., Miami—Florida Enterprises, Inc., 218 N. E. Second Ave., will erect \$13,000, concrete block store building, N. E. Second Ave. and 14th St.

Fla., Miami Beach—J. Dannenhower will erect 11 stores and 9 offices on Fifth St. for \$40,000.

Fla., Sanford—F. J. Casner, Asbury Park, N. J., purchased dwelling, 413 Sanford Ave., plans to erect 2 store buildings on lot.

Fla., Sarasota—Thomas Bleakley, representing J. G. McCrory & Co., 1107 Broadway, New York, announced excavation work started preparatory to erection of 100x100 ft., 1 or 2 story building, Main St.

Fla., St. Petersburg—C. H. Hawley, 939 Beach Drive, Ed. T. Lewis, 9 Third St., and Ben Boone of St. Petersburg and C. B. Greene, Tampa, purchased Overman property, Fourth St. and First Ave.; plan to erect 2-story store and office building.

Fla., St. Petersburg—A. E. Kenney, 860 23rd Ave. N., has plans in progress by Henry Taylor, 29th St. and 1st Ave. N., Archt., for business block to be erected this summer, Second St. and Seventh Ave. North; 7 store rooms; corner store to be 1½ stories providing mezzanine floor.

Ga., Perry—Heard & Evans Drug Co. soon start work on 2-story store and office building.

Ky., Hazard—Callahan & Co. will erect store buildings; contract in 10 days.

Ky., Hazard—John Robinson purchased lot; will erect business building, Maple St.; contract by May 10.

Ky., Lothrop—Sam Cox will erect store building; contract by May 15.

Md., Baltimore—Blum's, Inc., Samuel Blum, Pres., 305 N. Gay St., leased property 306-8 N. Howard St.; will improve.

Md., Baltimore—Morris Cohen, 523 S. Broadway, purchased Lee Electric Co. property, 217 N. Calvert St., reported to erect 3-story rear addition and remodel present building.*

Miss., Jackson—Messrs. Ridgeway and McGehee, Robinson & Co., purchased Todd residence property, E. Capitol St., probably erect business building.

Mo., Cape Girardeau—Cape Shoe Repair Co. will erect \$20,000, 2-story, brick shop and apartment building, 510-2 Broadway.

Mo., Clayton (Ind. Sta. St. Louis)—W. J. Yunghaus, 3858 Arsenal St., will erect \$20,-

000, 41x58 ft., brick store and flat, 16 Vinita Park.

Mo., Kansas City—George E. Bowling, 505 Sharp Bldg., will erect \$22,000, 1-story building, 1210-30 E. 18th St.

Mo., Kansas City—M. B. Hayner will erect \$17,500, 2-story building, 1415-19 E. 8th St.

Mo., Kansas City—J. C. Nichols Investment Co., 911 Commerce Bldg., will erect \$25,000, 1-story building, 7100-10 Wornall St.

Okla., Holdenville—Thomas Benson has plans by Hawk & Parr, Archts., Cotton Exchange Bldg., Oklahoma City, opened bids for \$75,000, 2-story, 82x140 ft., brick and reinforced concrete business building; Votaw & Lang Construction Co., Holdenville, and Manhattan Construction Co., 9th Floor Manhattan Bldg., Muskogee, low bidders; composition roof, concrete floors, reinforced and structural steel, hardwood finish, steam heat, metal ceilings, plate glass, steel sash, terra cotta; Archts. will revise plans and let contract later.

Tex., Austin—Henry Wakasch purchased lot, 26x128 ft., W. Sixth St.; plans to erect store building.

Tex., Dallas—Sam Lobello, 202 N. Haskell St., has plans by F. J. Woerner & Co., Central Bank Bldg., Archts. for \$18,000, 1-story, 75x109 ft., 5-store building, Eighth St. and Marsalis Ave., Oak Cliff; tile roof, Japanese design.*

Tex., Dallas—G. V. Loller will erect \$10,000 store building, 2716-18 Greenville St.

Tex., Dallas—Harry Sigel, 2606 South Boulevard, purchased 31x90-ft. building, Elm St.; will make improvements immediately.

Tex., Kingsville—G. C. Brinson, owner of King's Inn Theater, will rebuild for stores and offices: \$20,000.

Tex., Plainview—A. B. Martin and P. J. Wooldridge purchased property, Sixth St.; plan to erect 2-story, 84x130 ft., brick store and office building.

Tex., Plainview—T. J. Shelton and R. R. Huddleston purchased 100 ft. on Broadway; plan to erect brick buildings.

Tex., Robstown—Mabel Wilkinson, Mineral Wells, has plans by C. T. Fincham, Corpus Christi, for \$10,000, 1-story, brick and concrete, 25x140 ft. store building.*

Tex., San Antonio—Frank Liberto, 123 Durango St., receives bids this week for \$15,000, 1-story, brick and concrete store building; L. Harrington & Co., Archts. and Engrs., Houston Bldg.*

Tex., San Antonio—Mrs. M. Piggott, 119 California St., will erect 1-story, hollow tile business building, Lakeview and Santa Rosa St.; select Archt. soon.

Tex., San Antonio—M. E. Sameth purchased building, Bland St. and McCulloch Ave.; reported to remodel.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Tenn., Chattanooga—Boy Scouts, Market St., R. T. Fauchette, Pres., will erect \$3500 headquarters and hospital, \$5000 to \$7000 combined mess hall, kitchen, auditorium and gymnasium and similar library, reading and writing rooms building, Chickamauga Creek, 14 miles from Chattanooga; H. Sears, Jones Bldg., and W. L. Love, 518 Lindsay St., Archts.; Mark K. Wilson Co., Contr., Tennessee Electric Power Bldg.*

Tenn., Knoxville—Knoxville Plumbing Co., 308 W. Church Ave., has heating and plumbing contract for \$208,000 Young Women's Christian Assn. building; electric work, Warner Service Co.; elevator not decided; structure, fireproof, steel and reinforced concrete, 4 stories and basement, 75x125 ft., concrete and terrazzo floors, concrete foundation, hollow tile, ventilators, steel sash and trim, wire glass; furnishings, equipment, etc., \$40,000, address owner, W. J. Savage, Chmn., Bldg. Comm.; Barber & McMurray, Archts., 425 W. Clinch Ave.; Louis E. Jallad, Contr. Archt., 129 Lexington Ave., New York; Garvin & Garvin, Contrs.*

Tex., Dallas—Pythian Library Assn., Chas. E. Weiland, member, 515 N. Ervy St., let contract for \$100,000 brick and stone lodge building to J. O. Everett, Melba Bldg.; electric work, J. M. Johnson Construction Co., 508 N. Apard St.; plumbing, Martin Bros.; gas fixtures, Gas Steam Radiator Company of Texas; 2 stories, 128x65 ft., fireproof; H. A. Overbeck, Archt., Melba Bldg.; excavation contract previously noted to Vilbig Bros., 1112 Young St.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Theaters

Ala., Leeds—R. P. Higginbotham, Prop., of Pastine Theater, purchased site; will erect \$10,000 theater building.

Fla., Buena Vista—W. A. Leach, 136 S. E. First St., Miami, heading Leach interests, purchased property, plans to erect 10-story building, theater on first floor with offices above; will build 3 stories at present.

Fla., Sarasota—C. F. Hancock & Son will erect theater building this summer on site of present Lyric Theater.

Miss., Hattiesburg—E. N. Hirsch, Gulfport, and Major W. W. Swain considering organizing company for erection of 6 or 7 story theater and office building.

Tex., Kerrville—William Brice opened bids for erection of 1½-story, brick, concrete and steel theater building; McCrealy & Shott, low bidder at \$19,497; Adams & Adams, Archts., Gibbs Bldg., San Antonio.*

Tex., Lehman—C. R. Singer, Memphis, Tenn., and A. C. Hendrix, Littlefield, purchased property, plan to erect theater building.

Warehouses

Ala., Attalla—North Alabama Warehouse & Compress Co., care J. H. Arnold, soon to start foundation for 200x200 ft., fireproof warehouse.*

Ala., Mobile—Greer Co., care A. V. and J. B. Greer, 105 S. Cedar St., plan to erect 4-story, fireproof warehouse on site of building burned, St. Francis and Commerce Sts.*

D. C., Washington—S. Kann Sons Co., 8th & Market Pl., has designs in progress by Abbott, Merkt & Co., Engrs., 175 Fifth Ave., New York, for 180x140 ft., 4-story, reinforced concrete, fireproof service warehouse, Delaware Ave. and C Street, S. W.; rest rooms, shower baths, elevators, chutes.

La., New Orleans—Cumberland Telephone & Telegraph Co. has plans by Rathbone & DeBuys, Hibernia Bldg., open bids May 1 for 2-story, concrete, brick and frame, 80x80 ft. warehouse addition, S. Rendorn and Gravier Sts.; composition roof, steel sash, fire doors, plumbing, plaster board, sprinkler system.

N. C., Charlotte—New England Waste Co., 5 S. Church St., purchased property, N. Tryon St.; plans to erect warehouse.

S. C., Manning—Tobacco Growers Co-operative Assn. considering erecting warehouse.

Tex., Sherman—E. T. Fant of Fant Milling Co. soon let contract for \$20,000 2-story warehouse.

Bank and Office

Fla., Fort Lauderdale—First National Bank let contract to John B. Orr, 147 N. E. 6th St., Miami, for \$250,000 bank and office building, N. Andrews Ave. and Las Olas Blvd.; 8 stories; Rubush & Hunter, Hollywood, and Chas. M. Peterman and Martin Hauri, Archts.*

Fla., St. Augustine—Walter Denson, 7 W. 12th St., Columbus, Ga., has heating contract for \$200,000 office building for Florida East Coast Railway Co., W. G. Brown, Engr. of Maintenance of Way; 1 elevator, Otis Elevator Co.; W. P. Thurston Co., Inc., Gen. Contr., Windsor Court Apt., Richmond, Va.; plans by company's architect.*

Fla., St. Petersburg—St. Petersburg Independent State West Coast Holding Co., H. W. Gilbert, Pres., let steel contract for \$350,000 office building to Ingalls Iron Works, Birmingham, Ala.; 10 stories, mezzanine and basement, granite, limestone and brick with terra cotta trim, tile floors, marble wainscoting; 8 floors for offices; Francis J. Kennard, Archt., Krause Bldg., Tampa; Henry H. Dupont, Asso. Archt., First National Bank Bldg.*

Fla., Tampa—First National Bank, T. C. Taliaferro, Pres., let contract for \$1,000,000 Italian Renaissance type bank and office building, Franklin and Madison Sts., to Southern Ferro Concrete Co., 50 E. Ellis St., Atlanta, Ga.; limestone for first 3 floors, remainder buff brick with terra cotta trim; reinforced concrete and steel, marble, 13 stories, mezzanine and basement, 140x52.6 ft., solid

rock foundation, 3 elevations; 2 bank entrances; vaults; owner to occupy basement, first floor and mezzanine, 240 offices above; Holmes & Winslow, Archts., 134 E. 44th St., New York; Franklin O. Adams, Asso. Archt., Grand Theater Bldg.*

Ga., Macon—Bibb Manufacturing Co. let contract for \$30,000 general office building, East Macon, to A. C. Samford, Gold Hill, Ala.

La., Monroe—Dr. J. J. Adams, West Monroe, and Dr. J. Q. Graves will erect \$18,500 office building, N. 4th St.; 2 stories; C. E. Faucherly, Contr., K St.

Md., Baltimore—Mortgage Guarantee Co., Israel Silberstein, 402 St. Paul Pl., Pres., let contract to Consolidated Engineering Co., Calvert Bldg., for \$150,000 limestone and buff brick building, Baltimore and Lloyd Sts.; 2 stories and basement, 109x90 ft.; bowling alleys in basement, stores and probably banking room on first floor, offices on second; E. H. C. Browne, Archt., 402 St. Paul Place.*

N. C., Albemarle—Dr. W. I. Hill has broken ground for 5-story office building, Main and Second Sts.; stores on first floor; Jas. D. Howard, Contr.

Tex., Lubbock—Temple H. Ellis is erecting 2 additional stories to building, Broadway and Avenue I; cost \$100,000, 75x115 ft., mill construction, edge grain yellow pine and concrete floors, Johns-Manville asbestos built-up roof, hollow tile, metal ceilings, ventilators, ornamental terra cotta, steel sash and trim, wire glass, 2-pipe vapor vacuum heat, 1 passenger elevator; Peters & Haynes, Archts., Palace Theater Bldg.; J. J. Clemons, Contr.*

Va., Richmond—Chas. H. Phillips & Co., 807 E. Main St., have started work on Doctors & Physicians Bldg., Grove Ave. and Mulberry St.; Georgian Colonial type, 2 stories, 40x125 ft., 50 offices; owners build.

Churches

Fla., Lake Worth—Methodist Episcopal Church, Rev. Addyman Smith, Pastor, let contract for \$60,000 building to E. Pearson & Son; \$10,000 pipe organ to be installed by M. P. Moller, Inc., Hagerstown, Md.; Dudley Matthews, Archt.*

Fla., Miami—First Seventh Day Adventist Church, Dr. John P. Black, Chmn. Bldg. Comm., has started work on \$100,000 building, S. W. Ninth Ave. and Fourth St.

Fla., St. Petersburg—Austin Organ Co., 158 Woodland St., Hartford, Conn., has contract to install pipe organ in First Methodist Church, Dr. S. W. Walker, Pastor.

Fla., St. Petersburg—Henry Pilcher's Sons, 916 Mason St., Louisville, Ky., has contract to install pipe organ in First Presbyterian Church.

Ky., Fulton—First Baptist Church let contract March 15 at \$24,000 to Valentine Bros. to complete \$40,000 building; rough-faced brick, 3 stories, 58x100 ft., concrete and wood floors, Carey built-up roof, metal ceilings; furnishings, equipment, etc., \$10,000, bids opened about July 1, address C. H. Warren; items to be purchased include pews, lighting fixtures and windows; heating not let; electric wiring, Fulton Electric Co.; plumbing, R. H. Cowardin Plumbing Co.; brick, stone, steel and concrete, W. M. Hill & Sons, at \$9760; sheet metal, roof and painting let; G. Tandy Smith, Archt., Guthrie Bldg., Paducah.*

Md., Baltimore—Edmondson Avenue M. P. Church let contract to Edw. G. Turner, 22d St. and Maryland Ave., for \$50,000 building, Edmondson Ave. and Grantley St.; Gothic type with tower, 45x60 ft., brick, auditorium to seat 300, steam heat in separate contract, slate roof, wood floors; John Freund, Archt., 1307 St. Paul St.*

Miss., Dentville (Mall Utica)—Christian Church, care Rev. E. H. Alford, Jackson, has started work on building.

N. C., King—Moravian Church let contract to Roy Snider, Winston-Salem, for brick building, W. Main St.*

N. C., Salisbury—St. Johns Lutheran Church let contract to John P. Little & Sons, Independence Bldg., Charlotte, at \$119,315, exclusive of excavation, brick, windows, heating, lighting, etc.; total cost about \$175,000.*

Tenn., Knoxville—Church of the Holy Ghost let contract for \$150,000 to \$200,000 building, N. Central and Hinton Aves., to J. M. Dunn & Son; stone and brick, 74x128 ft., concrete foundation, 43x80 ft. main auditorium to seat 800, exclusive of transepts; Crowe & Schulte, Archts., 914 Main St., Cincinnati, O.*

Tex., Canyon—First Baptist Church, Rev.

Lyn Claybrook, Pastor, is erecting concrete basement of \$100,000 building.

Tex., Dallas—Mexican Methodist Church, Rev. Eugenio Vidaurre, Pastor, will erect frame church and parsonage, Wichita and Highland Sts.; seat 300; G. F. Gates, Contr.

Va., Danville—First Presbyterian Church, Dr. Jos. Dungrinson, pastor, let contract to E. A. Osborne & Son, Arcade Bldg., for \$50,000 addition, Sutherlin Ave.; 35x100 ft., concrete, brick and steel, hardwood and composition floors, concrete foundation, Barrett built-up roof, interior tile, ventilators, steel sash and trim; Herbert L. Cain, Archt., Gracé Street Bank & Trust Bldg., Richmond; electric work, Clark Electric Co.; plumbing, Farley Plumbing & Heating Co.*

Va., Fredericksburg—Fairview Baptist Church has started work on \$25,000 cement block and frame building; 1½ stories, 36.10x69.10 ft., with two 13x26 ft. ells, pine and concrete floors, cement foundation, metal roof, ventilators, rolling partitions; steam heating, electric work and plumbing not let; plans by J. H. Wallace, care Sunday School Board, Southern Baptist Convention, Nashville, Tenn.; Walter Snellings, contract on cost plus basis; items to be purchased include all furniture. Address Wm. H. Bell, Chmn. Bldg. Comm., 801 Charlotte St.*

Va., Lynchburg—West Lynchburg Baptist Church let contract to W. T. Jones for \$60,000 Sunday school; 3 stories and basement; plan to erect main auditorium next year.

City and County

Ala., Eufaula—City, R. T. Carter, Clk., let contract at \$11,600 to Muskogee Construction Co., Muskogee, for brick city hall and jail building; 42x55 ft.; J. L. Lowe, Archt.*

Fla., Palm Beach—Town, Cooper C. Lightfoot, Mayor, let contract at \$160,200 to Newton & Stephens, West Palm Beach, for town hall and fire station; Spanish type; Harvey & Clarke, Archts., West Palm Beach.*

Mo., Joplin—Memorial Hall Advisory Board, W. D. Myers, Chmn., let following equipment contracts for Memorial Hall: 1708 opera chairs, Newman Mercantile Co., at \$7822; 1354 folding chairs, E. H. Stafford Manufacturing Co., 367 W. Adams St., Chicago, at \$4495; stage equipment also let.

N. C., Charlotte—City, Edgar Read, City Clk., let contract at \$75,913 to J. A. Jones Construction Co., Realty Bldg., for Welfare Bldg., Municipal Square, E. Fourth St.; Chas. C. Hook, Archt., Second and Church Sts.*

S. C., Columbia—City, W. S. Tomlinson, City Engr., let contract at \$13,370 to Burns Construction Co. for addition to Central Fire Station, Sumter St.*

Tex., Beeville—City will remodel Stroud Bldg., Corpus Christi St., for city hall and fire station; H. J. Hansen & Son, Contrs., 2222 W. Houston St., San Antonio.

Tex., Floydada—Floyd County, E. C. Nelson, Jr., Judge, let contract at \$47,000 to Southern Steel Co., 4500 S. Presa St., San Antonio, for brick and reinforced concrete jail; 3 stories and basement, 34x43 ft.; plans by Contr.*

Tex., Lamesa—City let contract to J. W. Skipworth for \$25,000 fireproof municipal building; 2 stories, 60x40 ft., concrete floors and foundation, asbestos shingle roof, metal doors, 1 vault; fire station on first floor; Peters, Haynes & Singleton, Archts., Lubbock.*

Dwellings

Ala., Opelika—Opelika Cotton Mill will erect 10 operatives' bungalows; Batson-Cook Co., Contr., West Point, Ga.

Ala., Selma—Church Street Methodist Church let contract to C. A. Crosby for \$14,000 parsonage; 10 rooms, brick veneer.

Fla., Fort Lauderdale—Tom M. Bryan let contract for \$50,000 Spanish type residence to Geo. Young; 2½ stories, 75x57 ft., 12 rooms, hollow tile and stucco, 5 baths, tile and concrete floors, concrete foundation, tile roof, steel sash and trim, 2-car garage with servants' quarters above, connection with residence by arcade; Francis L. Abreu, Archt.; C. H. Sherwood, Asso. Archt.*

Fla., Haines City—C. L. Harrison is local Mgr. of Chicago syndicate reported to erect number of dwellings; Joseph Jay Miller Co., 109 N. Dearborn St., Chicago, in charge of construction.

Fla., Jacksonville—John A. Futch, 1440 Riverside Ave., will erect 2 frame dwellings, Walnut and Olive Sts.; 2 stories, frame; total cost \$10,000; P. H. Huffman, Contr.

Fla., Jacksonville—Dr. J. L. Kirby-Smith, Professional Bldg., let contract to A. L. Clayton for \$30,000 residence, St. Johns River and Edgewood Ave., Avondale; Tudor-English type; Marsh & Saxeby, Archts., West Bldg.*

Fla., Kissimmee—Candler Lumber Co. is erecting \$10,000 2-story frame dwelling, Clyde Ave. and Bryan St., and plans to erect 2 additional dwellings; Geo. C. Carr, Contr.

Fla., Miami—Miami Homes Co. will erect 3 additional dwellings, Country Club section, Coral Gables; cost \$12,000 to \$15,000 each; H. Geo. Fink, Archt., Congress Bldg.

Fla., Miami—H. Lieber will erect \$17,000 residence, Avenue Astruria near Cordova St., Coral Gables; 8 rooms, 2 baths, loggia; H. Geo. Fink, Archt., Congress Bldg.; Dan Merrill, Contr.

Fla., Miami Beach—Carl G. Fisher, Lincoln Road, will erect \$400,000 residence, near Surprise waterway; Italian Renaissance type villa, reinforced concrete, tile and stucco, blue and gold walls, teakwood floors, 2 tennis courts and swimming pool, landscaping; August Geiger, Archt., Calumet Bldg.; John B. Orr, Contr., 47 N. E. Sixth St., both Miami.

Fla., St. Petersburg—G. A. Miller, 28 Petetway Bldg., will erect \$100,000 Spanish type residence, Beach Park.

Fla., Venice—John Sherwin will erect \$15,000 residence; Mills & Norton, Contrs., Fort Lauderdale.

Ga., Athens—Minter Homes Co., care Dave F. Paddock, 284 Oakland Ave., Sales Representative, has contract for number of dwellings.

Ky., Louisville—C. C. Eblen, Bldr., will erect 30 bungalows, Magazine St. near 36th St.

La., New Orleans—G. A. Weigand will erect \$13,800 bungalow, Exposition Blvd.; A. J. Nelson, Archt.; L. J. Woodworth, Contr., 337 Baronne St.

La., New Orleans—Albert M. Anseman and Dryades Building & Loan Assn., 1703 Dryades St., will erect 2-story duplex, Galvez and Miro Sts.; cost about \$10,000; Jos. M. De Fraites, Contr.

La., New Orleans—M. Raitman, 1524 Baronne St., will erect quadruplex dwelling, 200 Robert St.; sub-contract.

La., New Orleans—Henry Bougon, 1708 N. Broad St., will erect 4 double cottages, Annette and Virtue Sts.; total cost about \$10,500; J. Ernest Hagin, 1730 Gen. Taylor St., Contr.

La., New Orleans—Following contracts let for 12 bungalows for Guaranty Development Co.; sheet metal work, Estate R. G. Holzer, 317 Burgundy St.; tile roofing, Brandin Slate Co., Inc., 227 Dauphine St.; lumber and millwork, North Rampart Lumber & Supply Co., Inc., 531 N. Rampart St.; Wm. E. Spink, Jr., Archt.; C. E. Wilson, contract at \$74,789, both Canal-Commercial Bldg.*

La., New Orleans—Victor C. Howard, 1676 N. Broad St., let contract at \$18,022 to N. Ascani, 3709 Dumaine St., for Colonial residence, Canal St. near Murat St.; tile roof and floors, automatic steam oil-burning heating system; Lockett & Cachere, Archts., 521 Baronne St.*

Md., Baltimore—J. C. Webster will erect 3 semi-bungalows, Gibbons Ave. W. of Twin Oak Ave., Hamilton; 1½ stories, 26x36 ft., slate roofs, hot air heat; total cost about \$10,000; W. C. Johnson, Archt.; R. A. Garner, Contr.

Md., Baltimore—Premier Realty Co. will erect 10 frame dwellings, S. E. side Marmon Ave. S. W. of Thornton Ave.; 1½ stories, 24x28 ft., shingle roofs, steam heat; total cost 35,000; C. H. Jager, Contr.

Md., Baltimore—Cleveland R. Bealnear, 16 E. Lexington St., will erect 11 two-story brick dwellings, 3500-20 Ellerslie Ave.; total cost \$24,000; also 46 in 2900 and 3000 blocks Atlantic Ave.; total cost \$120,000; and 25 on 29th St. near Barclay St.; all 20x30 and 20x31 ft., slag roofs; Geo. Wessel, Archt., 3001 Lyttleton Rd.; owner builds.*

Md., Baltimore—Benj. R. Sale will erect 3 frame dwellings and garages, N. E. side Overland Ave., N. W. of Arabia Ave.; 1½ stories, 24x28 ft. and 10x18 ft., hot-water heat; total cost \$15,000; plans and construction by owner.

Md., Baltimore—Beverly Hills Corp. is erecting residences for Geo. Yauman, Chas. F. Nogle, Jos. M. Wiest, Fredk. Schaub, William A. S. Onion and Wm. H. Uphoff.

Md., Baltimore—E. J. Donahue will erect 4 frame dwellings, N. side Fleetwood Ave. N. of Bromley Ave.; 1½ stories, 20x26 ft., cost about \$10,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

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Md., Baltimore—Eierman & Montague, Belair Road & Kenwood Ave., will erect 3 dwellings, S. W. side Southern Ave. S. E. of Harford Rd.; 1½ stories, 32x28 ft., asbestos roofs; total cost \$14,000; R. C. Brockmyer, Archt., 1635 N. Milton Ave.; owner builds.

Md., Baltimore—J. G. Eierman, 3432 Belair Road, will erect 6 brick dwellings, S. W. cor. Eierman Ave. and Belair Rd.; 18x32 ft. and 19x32 ft., slate roofs, steam heat; total cost \$19,500; H. N. France, Archt., 2906 Chelsea Terrace; owner builds.

Md., Baltimore—Geo. R. Morris Organization, Morris Bldg., has contract for \$10,000 brick dwelling and garage, 3905 Charles Street Ave.; 2 stories, 35x28 ft.

Md., Baltimore—Johns Development Co. will erect 10 frame dwellings, S. W. side St. Thomas Ave., N. W. of St. Johns Ave.; 1½ stories, 16x24 ft., frame, furnace heat; total cost \$25,000; J. E. Stansbury, Archt., 2852 Pennsylvania Ave.; owner builds.*

Md., Baltimore—Aug. Kamsch, 833 Hollins St., will erect 4 frame dwellings, N. side Parkworth Ave. E. of Old York Rd.; 2 stories, 16x44 ft., steam heat; total cost about \$10,000; M. C. Cunningham, Archt.; owner builds.

Md., Catonsville (Branch Baltimore)—Matthew F. Martin let contract for residence, Holmehurst.

Md., St. Louis—E. L. Wagner Construction Co., 617 Chestnut St., will erect 2 brick dwellings, 3833-37 Castlemain St.; 2 stories, cost \$18,000; S. H. Keiser, Contr., 134 Linden St. St. Louis.

Md., St. Louis—R. W. Morrison, 5553 Maple St., will erect \$18,000 brick residence and garage, 5304 Kingsbury St.; 2 stories, 43x37 ft., slate roofs, hot water heat; Nolte &

Nauman, Archts., 618 Fullerton Bldg.; R. W. Morrison, Contr., 5553 Maple St.

Mo., St. Louis—C. Minucciano, 2604 N. Jefferson St., will erect 2 brick dwellings, 4431-33 Sexauer St.; 1 story, 24x44 ft., composition roofs, hot air heat; A. Walter, Contr., 8612 Argyle Ave.

Mo., St. Louis—J. J. Steffan, 2637 Minnesota St., will erect 5 brick dwellings, 29x33-37-39 Chippewa St.; 1 story, 25x28 ft., composition shingle roofs, hot air heat; total cost \$17,500; plans and construction by owner.

Mo., University City (Station St. Louis)—W. Brantner and Margaret C. Temm, 5284 Page St., will erect \$11,000 brick residence, 7136 Kingsbury Blvd.; 2 stories, 35x32 ft., slate roof, hot water heat; 1-story, 20x20 ft. garage; Ernest G. Sasche, Archt.; Sacche Construction Co., Contr., both 1628 Morgan St. St. Louis.

Mo., University City (Station St. Louis)—Harry S. Quicksilver, 5062 Minerva St., will erect \$10,000 residence and garage 6645 Pershing Ave.; brick 2 stories, 29x35 ft., slate roofs, hot water heat; W. P. Manske, Archt., 4935 Delmar Blvd.; Wm. H. Cunliff, Contr., 410 N. Euclid Blvd., both St. Louis.

Mo., Webster Groves (Ind. Branch St. Louis)—Fred Hof, 6602 Hoffman Ave., St. Louis, will erect \$12,000 residence, 438 Somerset Ave.; 2 stories, 8 rooms, 35x37 ft., tile and stucco; owner builds.

N. C., Charlotte—C. E. Moore, New Sharon Rd., let contract for \$25,000 residence, Sharon Rd. to McRee & Foard, 203 E. Fourth St.; Colonial type, brick veneer, 2 stories, 12 rooms; Wm. H. Peeps, Archt., 222 Latta Arcade.

N. C., Charlotte—John Bass Brown let contract to Warren Mobley, Latta Arcade, for Colonial residence, Hermitage Court and

Granville Rd., Myers Park, to replace burned structure; 2 stories, brick veneer.

N. C., Charlotte—Geo. E. Wilson, Pres. Wilson Motor Co., will erect \$30,000 to \$35,000 residence, Queens Rd. and Hopedale Ave.; Myers Park; brick veneer, 12 rooms; Wm. H. Peeps, Archt., 222 Latta Arcade; Blythe & Isenhour, Contrs., Brevard Cr.

Okl., Okmulgee—Crittenden Smith let contract at \$13,752 to W. A. Dickenson for residence; plumbing, McNeese & Davis, \$1069; Smith & Senter, Archts., 401-05 Commerce Investment Bldg.*

Okl., Tulsa—Tom Flanagan is erecting \$18,000 residence, 321 E. 19th St.

Okl., Tulsa—A. J. Johnson, Cosden Bldg., is erecting \$28,000 residence, 1318 E. 25th St. S. C., Greenville—C. F. Putman, 507 Augusta Ave., is erecting 30 dwellings for negroes, Chapin Springs section; total cost about \$15,000; Major W. M. Welch, Contr.

N. C., Greensboro—A. K. Moore Realty Co., 116 W. Market St., will erect 2 dwellings, Chapman St. near Wright near Sylvan Rd., 2 Chapman St. near Market St., 2 Fremont Drive and 2 on Rolling Rd.; total cost \$54,000.

Tenn., Memphis—Harry Dlugach, Messick Bldg., plans to erect 20 or 30 brick dwellings, University View section; owner builds.

Tex., Corpus Christi—Miss Vivian Lotspiech will erect residence; C. T. Fincham, Archt.

Tex., Corpus Christi—E. A. Carter, 901 Bay View Ave., is erecting \$20,000 brick veneer residence, 1110 Third St.; 2 stories and basement, 46x54 ft., hardwood, pine and concrete floors, cement tile roof; Oscar Lutz, Archt.-Contr.; heating and plumbing, R. J. Hunter; electric work, Priour Electric Co.*

Tex., Houston—J. H. Chew, 1112 Cleburne St., will erect residence, Country Club Estates; Thos. M. Murray, Contr.

Tex., Houston—Mrs. V. B. Chinn, 1810 Stuart St., is erecting \$15,000 brick residence, 2222 Wichita Ave.; 6 rooms, 2 stories; Henry H. Yates, Contr.

Tex., Houston—L. W. Lindsey, 2nd Natl. Bk. Bldg., is erecting 2-story frame and stucco residence, 1810 Anita St.; cost about \$10,000.

Va., Danville—Patton, Temple & Williamson, Arcade Bldg., let contract to C. M. Weber, Masonic Temple, for 6 dwellings, Marshall Terrace, and 3 lower end Virginia Ave.; cost \$8000 to \$10,000 each.

Government and State

Fla., Manatee—H. P. Perry and Associates let contract at \$53,800 to G. A. Miller, 28 Peteway Bldg., Tampa, for postoffice and arcade building, Manatee Ave. and Glazier St.; 2 stories, Spanish type, stucco, 110x110 ft.; 3-story tower with copper dome; post-office and 9 stores on first floor, offices above; J. Herbert Johnson, Archt., Bradenton.*

Fla., New Smyrna—Edw. F. Wilson will erect building, Sams Ave. near Canal St., after plans by Jacob Espedahl, Dayton, and lease section to Government for postoffice; 2 stories, 100x50 ft., 520 additional lock boxes, 3600 sq. ft. floor space; store, offices on second floor.*

Fla., West Palm Beach—Datura Holding Co., promoted by Broward Investment Corp., D. F. Dunkle, Pres., let fixture contract to Atlanta Show Case Co., 10 E. Foundry St., Atlanta, Ga., for \$300,000 postoffice and store building, Datura St.; semi-fireproof, 150x146 ft., 2 and 1 story, tile roof, local cast stone trim, 2 arched entrances; postoffice and 8 stores on first floor, 22 offices on second; Grinnell sprinklers; Harvey & Clarke, Archts.; J. S. Willson Co., Contr.*

Hospitals, Sanitariums, Etc.

Ga., Atlanta—Atlanta Humane Society is erecting shelter and animal hospital, 1031 Marietta St.; operating room, cages, office, etc.; Dr. H. W. Burkland, Humane Officer.

La., New Orleans—Following contracts let for Touro Infirmary nurses' home for which O. M. Gwin Construction Co., 832 Common St., has gen. contract at \$61,608: Building material, Peter Judlin, 2331 N. Rampart St.; glazing, E. W. Ullrich Glass Co., Inc., 808 Baronne St.; hardware, A. Baldwin & Co., Ltd., Camp and Common Sts.; marble, Albert Weiblen Marble & Granite Co., 521 City Park Ave.; plastering, Moroney & Middleton, Hibernal Bldg.; reinforcing steel, Ole A. Olsen, 822 Perdido St.; tiling, Jos. Ariatti, 824 Carondelet st.; Emile Well, Archt., Whitney Bldg.*

Okla., Norman—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, let contract at \$58,000 to Bailey & Burns

Construction Co. for 2 additional stories to Women's Bldg. No. 3, Central State Hospital; brick, 56x142 ft., brick, tar and gravel roof, concrete floors, red oak finish, structural and reinforcing iron, addition to steam heating plant, steel sash, screens; Layton, Hicks & Forsythe, Archts., Oklahoma City.*

Hotels and Apartments

Fla., Dade City—H. F. Dudley, owner of former H. J. Ticknor residence, remodeling into 17-room hotel.

Fla., Daytona—Inlet Terrace Co., R. B. Pacetti, 326½ S. Beach St., Daytona, Thomas W. Matthews, Vice-Pres., 435 N. Magnolia St., Orlando, and Robert E. Graham, Treas., 300 Park Ave., Vice-Pres., North River Terminal Co., New York, reported arranged for sale of \$1,600,000 bonds, to complete hotel and make other improvements.

Fla., Lakeland—J. J. Haldeman, Kirk Smith and T. J. Appleyard let contract to Stratton Hard, Tampa, for 8-family apartment building, foot of Kentucky Ave., facing Lake Morton.

Fla., Miami—A. B. Moseley started work on 4-apartment building, Avenue Calabria, Coral Gables; 4 rooms, bath and porch each; H. George Fink, Congress Bldg., designed front; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Fla., Okeechobee—J. G. McNeff, Propr. of Northern Hotel, let contract to J. C. Hemer, at \$94,792, for 100-room, Spanish type, 3-story, hollow tile and stucco Southland Hotel, North Park St. and Parrott Ave.*

Fla., Pompano—McNab Brothers let contract to Pierson & Sons, Hollywood, at \$50,000, for 3-story tile and stucco, 42x120-ft. hotel building, Pinehurst; oak floors, concrete foundation, ventilators; major items to be purchased include beds, mattresses, chairs, etc.; J. E. Pierson, Archt., Hollywood.*

Fla., St. Petersburg—Baynard & Thorn, 644 Central Ave., are supervising construction of 3-story, fireproof building at 709 Central Ave., to be occupied by Pinellas Printing Co., 265 Central Ave., second and third floors serving as addition to Crawford Hotel adjoining.

Fla., St. Petersburg—Nick Dennis let contract to Franklin J. Mason, 309 Central Natl. Bank Bldg., for \$250,000, 40x100-ft., brick and stone, 8-story hotel building, 326-8 1st Ave., North guaranteed roof, steel frame, metal lumber joists, gypsum block partitions, Otis elevator, laundry equipment, vacuum heating, screens; Albert Pick & Co., 212 W. Randolph St., Chicago, Ill.; furnishings; F. Cunningham, Archt., 1742 M St., N. W., Washington, D. C.; Frank F. Johnsberg, Consult. Archt.*

Fla., St. Petersburg—William Walker, 871 17th Ave., N., is erecting building, 13th Ave. North and Oak St., to contain 24 apartments and residence.

Ga., Douglas—Mr. and Mrs. John R. Slater and J. C. Brewer will erect \$50,000 hotel building; Daniel & Beutell, Archts., Atlanta; present building will be remodeled into 4-story hotel with 60 rooms and 60 baths; R. N. McEachern, Contr.*

La., New Orleans—Louis A. Alba, 4310 Magazine St., let contract to New Orleans Construction Co., Maison Blanche Bldg., for \$47,000 apartment building, Napoleon, St. Charles, Pitt and Gen. Pershing Sts.

Md., Baltimore—Consolidated Engineering Co., 20 E. Franklin St., has contract for \$30,000, 4-story, brick, 27x59 ft. The Anchorage of Baltimore City, 816-22 S. Broadway; slag roof, hot water heat; Owens & Cisco, Archts.

Mo., St. Louis—A. H. Gerling, 722 Chestnut St., will erect two 2-story, 24x55-ft., brick tenements, 4454-58 Russell St.; \$14,000, composition roofs, steam heat; owner builds.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., will erect \$10,000, 2-story, brick, 56x31-ft. tenement, 4521 Shenandoah St.; composition roof, furnace heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—J. Szepanski, 7240 Natl. Bridge, will erect \$10,000, 2-story, 34x45-ft. brick tenement, 3803 Marcus St.; composition roof, furnace heat; owner builds.

Mo., St. Louis—Barth Building Co., 4222 Gravois St. will erect \$10,000, 2-story, brick, 35x47 ft. tenement, 5017 Millett St.; tar and gravel roof, furnace heat; H. W. Guth, Archt., 2847 Oregon St.; owner builds.

Mo., St. Louis—H. C. Vollmer, 6105 Simpson St., will erect two 2-story, brick, 36x56 ft. tenements, 6011-15 Magnolia St.; \$16,000, tar and gravel roofs, hot-water heat; owner is builder and Archt.

Mo., St. Louis—B. S. Cornwell, 706 Chestnut St., will erect two 2-story, 43x23 ft., brick tenements, 5000-6 N. Kingshighway;

\$12,000, furnace heat, composition roofs; owner builds.

Mo., St. Louis—L. Goldstein, 1400 Goodfellow St. let contract to J. Rubin, 808 Chestnut St., for two 2-story, brick, 34x50 ft. tenements, 1515-21 Clara St.; \$18,000, gravel roofs, hot air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—G. T. Kollas, 616 Chestnut St. let contract to P. H. Haffner Construction Co., 3139 Lackland St., for two \$10,000, 2-story, brick, 35x63 ft. tenements, 1917-21 Alfred St.; composition roofs, hot water heat.

Mo., St. Louis—C. Boehne, 4215 Margaretta St., will erect \$10,000 2-story, 38x51 ft. tenement, 4229 Margaretta St.; composition roof, hot-air heat; M. F. Fink, Archt., 4919-A Margaretta St.; owner builds.

Mo., St. Louis—Wm. M. Collen, 4217 Olive St., let contract to J. P. Fendler, 6007 Kings Highway, for \$10,000, 2-story, 27x46 ft., brick flat, Clayton Ter., Richmond Heights.

Mo., St. Louis—St. Clair Building Co., 202 Wainwright Bldg., will erect \$16,000, 2-story, brick, 34x58 ft. flat, Claytonia and Ethel Aves., Richmond Heights; owner builds.

Mo., St. Louis—F. Yawitz, International Life Bldg., let contract to A. H. Stiel, 813 Chestnut St., for alterations to 3-story hotel, 611 N. Jefferson St.

Okla., Wetumka—Meadors & Meadors started work on \$75,000 50-room, 3-story, brick hotel, Main St. and Broadway.

Tenn., Paris—J. L. Holland let following contracts for \$15,000, 3-story, 37x100 ft., 30-room, concrete and stucco Holland Rooming Flat, McNeil Ave. and S. Poplar St.: S. J. Veltman, plumbing and heating; Laster Lumber Co., lumber and materials; R. T. Ray, carpentry work; Sam Palmer, stucco work; C. V. Krider, roofing; George Gobbons, excavating; Jim Sweeney, concrete work; Krider & Sons, Archts., 314 N. Market St.*

Tex., Corpus Christi—Mrs. Atlee McCampbell let contract for remodeling residence, N. Broadway, into apartment building; C. T. Fincham, Archt.

Tex., Houston—Lightfoot-Bolton Construction Co., 3103 Main St., started work on \$15,000, 2-story, brick veneer apartment building, 1228 Gray Ave.

Va., Richmond—Seville Hotel Apartments, Inc., M. B. Florsheim, Pres., 1716 Summit Ave., has plans by and let contract to Davis Brothers, Inc., 1716 Summit Ave., for \$165,000, 100x125 ft., brick apartment building; wood floors, slag and tile roof.*

W. Va., Fairmont—Charles E. McCray, 321 Madison St., started work of changing the Blue Ridge Theater, into hotel with 58 rooms, lobby, dining room and parlors.

Miscellaneous

Fla., Miami—Ballroom—L. H. Conrad, Gen. Mgr. of L. T. Cooper interests, announced plans for dance palace to be known as Cinderella Ballroom, lots 19, 20, 21 and 22, block 97, N. W. 2nd St.; total cost near \$1,000,000; provide 10 store rooms, ladies' rooms, lounges, etc.; John N. Bullen, Archt., Metropolitan Bldg., Miami; John T. Brennan, Cleveland, Ohio, Contr.*

Md., Baltimore—Home—Cogswell-Koether & Co., 406 Park Ave., have contract for two 3-story additions to Aged Men's Home and Aged Women's Home, Lexington and Calhoun Sts., to cost \$70,000; Joseph Evans Sperry, Archt.

Mo., Kansas City—Undertaking Establishment—D. W. Newcomer's Sons, 2107 Benton St., started work on \$150,000 building, Paseo and Robert Gillham Road; Edward B. Delk, Archt., 59th and Ward Parkway.*

Okla., Sulphur—Bath House—Lewis & Townsley are erecting \$50,000 bath house at Vendome Plunge.

Tex., Greenville—Undertaking Establishment—Stringer & Sons, care I. M. Stringer, let contract to S. D. Statler for 27x126 ft., brick building, Johnson St.; W. R. Ragsdale, Archt.

Tex., Waco—Orphanage—Methodist Orphanage, W. F. Bennett, Mgr., let contract to Bush & Phillips, at \$24,500, for 2-story, fireproof dormitory cottage; contract for garage will be let later; Milton W. Scott, Archt., 412½ Franklin Ave.*

Schools

Ala., Gadsden—Board of Trustees, Alabama School of Trades & Industry, Watt T. Brown, Chmn., Ragland, let contract to Carey D. Elder, Boaz, at \$36,000, for first unit 2-story, brick dormitory to house 60 boys.*

Ala., Marion—Judson College, Dr. Baldy, Pres., broke ground for \$50,000 annex.

Ark., Morrilton—School Board let contract to W. A. Russell & Co., Conway, for erecting \$150,000 school building; Reynolds & Wheat, Conway, wiring; Almand & Van Valkenburgh, Archts., Boyle Bldg., Little Rock and Conway.*

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., let contract to Florida Development & Construction Co. at \$93,754 for Thomas E. Edison grammar school, Osborne Ave. and Fifteenth St.; brick and stone, 12 classrooms and auditorium; Fred J. James, Archt., Citizens Bank Bldg.*

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., let contract to B. F. Walker & Son, at \$121,938, for brick and stone, 12-classroom and auditorium school building, Special Tax School District No. 36, Ballast Point; C. Frank Galliher, Archt., 833 S. Dakota Ave.*

Fla., Wauchula—Hardee County Board of Public Instruction let contract to C. W. Pabor & Co., Avon Park, at \$49,975, for 60x144 ft., semi-fireproof High School building; H. G. Little, Archt.

Md., Baltimore—St. Benedict's Roman Catholic Church let contract to Geo. B. Monmonier & Son, 1711 McCullough St., for \$10,000, 40x24 ft., 2-story, brick school building, Wilkins Ave. and Millington Lane; slate roof, steam heat; J. E. Maher, Archt.*

Miss., Cleveland—Delta State Teachers College, Pres-elect J. M. Brown, will award contract to Mississippi School Supply Co. for auditorium chairs and classroom furnishings and fixtures, and to Rice Furniture Co., both Jackson, for teachers' desks and other study-hall equipment.*

N. C., Asheville—School Board let contract to Gasgill Construction Co., Wilson, at \$57,900, for stone, brick, steel and concrete, 37x58-ft. (2 wings), 3-story, 12-room addition to Claxton School; Barrett roof, wood and concrete floors, concrete foundation, hollow tile, interior tile, ventilators; American Heating & Ventilating Co., heating; plans by City Engr.*

N. C., Asheville—H. A. Wells Construction Co., Technical Bldg., has contract for grading site of West Asheville High School building.

N. C., Chapel Hill—University of North Carolina let contract to T. C. Thompson & Bros., Charlotte, for rebuilding Old South building; \$150,000, 4 stories, gum and oak floors; Atwood & Nash, Archts., Chapel Hill.*

N. C., Hillsboro—Orange County Board of Education, R. H. Clayton, Supt., let contract to B. F. Blanchard, Burlington, for \$20,000 school building at Caldwell, in Little River Township; 8 rooms and auditorium; Linthicum & Linthicum, Archts., 117 W. Martin St., Raleigh.*

Okla., Tulsa—Board of Education let contract to Rucks-Brandt Construction Co., at \$57,375, for three 4-room school buildings and 3-room addition to Dunbar School, at \$87,375; American Plumbing & Heating Co., plumbing and gas piping at \$1925; Nelson Electric Co., electric wiring at \$295; Leland I. Shumway, Archt., 725 Wright Bldg.*

S. C., Williston—School Board, H. M. Thomson, Chmn., let contract to Holley Construction Co., Lamar Bldg., Augusta, Ga., at \$52,500, for Consolidated High School building; W. H. Weatherford, heating and plumbing, at \$7000; Willis Irvin, Archt., Lamar Bldg., all Augusta, Ga.*

Tenn., Overton—Womans' Christian Board of Missions let contract to Morgan & Bell, Murfreesboro, at \$69,000, for High School building; soon let contract for erecting new dormitory.

Tex., Houston—Board of Education let contract to Fridh & Wicklund for \$10,000, 1-story, hollow tile and plaster Mexican school building, Magnolia Park.

Tex., Pittsburgh—Board of Education, care W. S. Fleming, let contract to Bailey-Burns Construction Co., Norman, Okla., at \$88,900.59 for 3-story, brick, 146x104 ft. High School building; concrete and wood floors, concrete piers foundation, galvanized roof, vaults, vault lights, ventilators; opens bids May 7 for equipment and furnishings; major items to be purchased include desks, chairs, auditorium seats, home economics and science equipment, lockers and library supplies; J. C. Korlof & Co., Sherman, heating and plumbing; Rho-Nile Electric Co., 3245 Knox St., electric lighting; J. W. Westbrook Co., Archts., 407½ N. Bishop St.; both Dallas.*

Tex., San Antonio—Our Lady of the Lake College broke ground for \$150,000, 5-story Providence Hall; on first floor, assembly room to accommodate 500 students, recreation room, offices and lecture rooms; 3 upper floors for student quarters, with private baths; Leo M.

T. Dielman, Archt., 306 E. Commerce St.; August Fuessel, Contr., 1903 Virginia St.

Stores

Ala., Birmingham—Nick Harduvet let contract to Mackle-Sheperd Construction Co., for 6 brick stores, Ninth Ave. and 19th St., North; \$20,000, plate glass fronts.

Ala., Huntsville—C. F. Bost, Contr., will erect several stores.

Ark., Warren—John W. Kyle, Contr., erecting two brick buildings, Vine St.; 24x104 ft., 2-story for J. N. Wheeler and 30x140 ft., 1-story for D. V. Calvert; \$20,000.

Fla., Boynton—Hall & Purdy Development Co. broke ground for 2-story, concrete, Spanish type business block, Ocean Ave.; stores on first floor, half above.

Fla., Fort Myers—Watson-Harrison Co. let contract to A. C. Roundtree for 2-story, Spanish type store and apartment building, Henry St. and Anderson Ave.; W. O. Sparklin, Archt.

Fla., Hollywood—L. Landau, Albany, N. Y., erecting 2-story store and apartment building, Canal Drive, and garage apartment at rear.

Fla., Melbourne—L. Mathers started work on building, New Haven Ave. and Vernon Place, to be occupied by Piercwall Furniture Company.

Fla., Miami—Florida Enterprises, Inc., started work on 9-story, 60x100 ft. commercial building, N. W. cor. 15th St. and N. E. Second Ave.; John N. Bullin, Archt., Metropolitan Archt.

Fla., Miami—A. C. Renaert will soon break ground for Louise Arcade Building, Alhambra Circle and Ponce de Leon Blvd., Coral Gables; first story to be erected to carry 5 additional stories, will cost \$125,000 and accommodate 18 stores and office of Renaert Realty Co.; cost \$500,000 complete; H. George Fink, Archt., 156 E. Flagler St.*

Fla., Miami—Margaret McCrimmon, 1552

S. W. First St., let contract to Upton Brothers, 434 S. W. Tenth Ave., for \$50,000, 3-story, 120x60 ft., reinforced concrete and brick store building, 14th and Miami Ave., N. W.; built-up roof, reinforced concrete foundation, hollow tile, interior tile, hardwood and concrete floors, ornamental terra cotta, steel sash and trim, ventilators, vault lights.*

Fla., St. Augustine—A. B. Day let contract to Charles Hadcock for 28x136 ft., 2-story, fireproof store building to be occupied by Howatt Hardware Co.; F. A. Hollingsworth, Archt., City Bldg.

Fla., Vero—L. M. Newman, Contr., improving Maher Building; new store front, rear addition, etc.

Fla., Vero—Miles McNece started work on concrete block with stucco exterior, 3-store building, Dixie Highway.

Fla., Vero—Charles Gifford remodeling building, 18th St. and Dixie Highway, for stores and offices.

Ky., Ashland—Mrs. J. T. Hackworth started work on 2-story, brick business building, Greenup Ave.; two 4-room apartments on second floor, stores on first.

Md., Baltimore—Teresa B. Lindheimer, Owner of 3-story building, 15 W. Lexington St., will replace with 4-story, brick building; \$70,000; William Magazine, Contr.; Diamond Apparel Store will continue lease.

Okl., Okemah—Burr Randles let contract to John Ehman and D. Holden, Henryetta, at \$13,287, for 50x120-ft., 1-story, 3-room store building; M. T. Hardin, Archt., Muskogee.*

Mo., St. Louis—Thomas P. Carr, 7300 Arlington St. will erect \$16,000, 2-story, brick, 42x50 ft. building, Dale St.; owner boards.

Okl., Tulsa—G. A. Cantrell erecting \$20,000 business and apartment building, 711 S. Troost St.

S. C., Greenville—Carpenter Brothers let

contract to Morris-McKoy Construction Co., Finlay Bldg., for remodeling building, Main St.; \$10,000.

Tenn., Memphis—Dr. H. P. Hurt, 31 E. Parker Parkway, let contract to E. W. Kuhlmann for 2-story and basement, 22½x62½-ft. brick, concrete and stone store and office building, S. 2nd St.

Tex., Beaumont—Mrs. W. D. Neyland let contract to J. M. Russell for \$22,000, 2-story, brick and concrete, 85x90 ft. business building; gravel roof, plaster board; L. S. Green, Archt., 813 Stewart Bldg., Houston.

Tex., Houston—W. T. Carter, Jr., Courtland Place, let contract to C. G. Street Construction Co., 2112 Main St., for \$80,000, 3-story, brick and reinforced concrete building, Rush Ave. and LaBranch St.; store rooms of ground floor with hotel rooms and offices above.

Tex., Houston—Joe Guarino, 302 Hogan St., let contract to T. J. Gelvin, 904 Jackson St., for \$11,900, brick veneer and frame store and apartment building, Odin Ave. and Clark St.

Tex., Marble Falls—Bart Fowler, owner of Cash Grocery Store, contracted for erection of addition.

Tex., Robstown—Vincent Bluntzer let contract to D. L. Worthington for reinforced concrete building and foundations for 2 other buildings, to be erected later.

Tex., San Antonio—F. M. Van Keuren, 450 Cooper St. let contract to H. F. Bernard, 828 S. Hackberry St., for 1-story, concrete and tile store building, Fountain and Goliad Streets.

Warehouses

Mo., St. Louis—Meyer Milling Co., Eighth and Clark Sts., let contract to Humes-Deal Co., 1416 Syndicate Trust Bldg., for alterations to 2-story trunk storage, 1708-10 N. Eighth St.; \$13,000.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Alternator.—Hackley Morrison Co., Inc., 1703 Lewis St., Richmond, Va.—Wants one 250 kw., 3-phase, 60-cycle, 220-volt alternator, direct connected to automatic steam engine, to be complete with exciter and switchboard; used equipment; state condition.

Aluminum Castings.—Eshelman Supply Co., Inc., 1431 N. Twenty-fifth St., Birmingham, Ala.—Wants to correspond with manufacturers of aluminum castings who will finish same to detailed drawings.

Aluminum Shakers (Salt and Pepper).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 7 for 500 salt and 500 pepper shakers, aluminum; self-righting; Aluminum Goods Manufacturing Co. No. 2361-S M or equal.

Automobiles.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids to furnish automobiles for various posts of the Marine Corps, Sch. No. 584.

Automobile Radiator Rebuilding Machine.—Anderson Service Station, 108 Preston Ave., Charlottesville, Va.—Wants machine for rebuilding automobile radiators; correspond with manufacturers.

Bags (Paper) and Cups.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 6 for 1,000,000 of 5-lb. and 85,000 of 25-lb. paper bags, sachet bottom, Kraft, and 5,500,000 flat drinking paper cups, packed 250 in dispensing cartons without metallic frame; quotations f. o. b. point of shipment.

Bathing Pier.—Chewning-Key Realty Co., Woolworth Bldg., Orlando, Fla.—Wants bids on bathing pier for Killarney Estates subdivision.

Boiler.—Bryson City Pump Works, Bryson City, N. C.—Wants one 60 h.p., 125-lb. boiler, will consider second-hand if guaranteed.

Boilers.—Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Receives bids May 6 for four 300 h.p., water tube boilers, with brick settings and mechanical stokers, one turbine-driven and one motor-driven forced draft fan, at Naval Hospital, Washington.

Bridge.—Burlington R. R., A. E. Newton, Ch. Engr., Chicago, Ill. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State Highway Comm., Oklahoma City, Okla., will build 8 bridges. See Construction News—Road and Street Construction.

Bridge and Levee Improvement.—Shelby County, Memphis, Tenn. See Construction News—Bridges, Culverts, Viaducts.

Brush and Poles.—Mississippi River Commission, First and Second Dist., 1006 McCall Bldg., Memphis, Tenn.—Receives bids May 20 to furnish 65,000 cords of brush and poles.

Building Material, etc.—Haley, Chisholm & Morris, Contrs., National Bank Bldg., Charlottesville, Va.—Want prices on following materials for new engine terminal at Russell, Ky.: Standard heart grade longleaf pine framing; wood block flooring; wood windows and doors; steel sash; steel sash operators, motor driven; structural steel; linoleum floor covering; fire brick; electric wiring, including transmission lines and transformers; glass; kalamine doors; metal partitions; cement roofing; tile and composition roofing; ornamental and miscellaneous iron; reinforcing steel, etc.

Building Materials.—Pickens Cabinet Works, Pickens, S. C.—Wants prices on cement, lime and bricks.

Cement.—See Building Materials.

Chairs.—See Furniture (Dormitory), etc.

Cloth (Stiffened).—Priest & Co., Winter Haven, Fla.—Wants data and prices on cloth, stiffened, such as used for the cuffs on gauntlet gloves.

Coal.—Bureau of Mines, Dept. of the Interior, Washington, D. C.—Receives bids May 25 to contract for the coal requirements of the District and Federal Governments within and contiguous to the District of Columbia, for period July 1, 1925, to June 30, 1926; specifications with Ch. Engr., Government Fuel Yards, Room 1139.

Coats (Dungaree).—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 5 to furnish 5000 Dungaree coats; delivery Philadelphia, Pa., Sch. No. 588.

Compression Test Equipment.—E. Friedman, Jackson, Miss.—Wants to correspond with manufacturers of equipment for compression test on various building materials, more especially concrete test cylinders.

Crane.—Hackley Morrison Co., Inc., 1798 Lewis St., Richmond, Va.—Wants one crawler type crane with 40-ft. boom and equipped with ¼-yd. Page dragline bucket.

Cranes.—Haley, Chisholm & Morris, Contrs., National Bank Bldg., Charlottesville, Va.—Want prices on one 10 and one 15-ton traveling crane; two 2-ton jib cranes; for new engine terminal at Russell, Ky.

Crane.—See Hydro-Electric Generating Equipment.

Crane, etc.—Hackley Morrison Co., Inc.,

1708 Lewis St., Richmond, Va.—Wants one bridge crane, single I-beam type preferred, hand operated trolley and bridge, equipped with two or three ton floor controlled electric hoist, 3 phase, 60 cycle, 220 volt, span of bridge 22 ft. 10-in.; quotations on crane and hoist separately, used equipment preferred.

Developing Powder.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 4 for powder for developing X-ray films; gallon size package; Eastman or equal.

Disposal Plant.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids April 29 to erect and complete refuse disposal plant at Ostend, Russell and Denver St.; C. H. Osborne, Inspector of Bldg.

Dry-Cleaning Plant Equipment.—James W. Coffey, Sec., Mi-Valet, Inc., 819 N. Green St., Greensboro, N. C.—Wants one dry-cleaning washer.

Electric Light Plant Equipment.—J. Archer Willis, Greenville, S. C.—Prices on all equipment for 35 h. p. plant.

Engine.—John D. Westbrook, Inc., 1104 E. Water St., Norfolk, Va.—Wants 300 h.p. high-speed automatic slide valve or 4-valve Corliss engine.

Engine Terminal Equipment.—Haley, Chisholm & Morris, Contrs., National Bank Bldg., Charlottesville, Va.—Want prices on following: Oil tanks, pumps and piping; material and tool racks; smoke jacks; monorail hoists; pit jacks; shafting, pulleys, hangers and bearings; two 2-ton jib cranes; one Whiting 6' jack locomotive hoist, 300-ton capacity; ash-handling apparatus; one coal handling apparatus; fire protection system; compressed air piping; sewerage system; radial brick stack 175 ft. high, 8 ft. inside diam. at top; steam fire protected apparatus, etc.

Envelopes.—Francis J. Acosta, 2227 Birch Ave., Birmingham, Ala.—Wants to correspond with manufacturers of envelopes in the South.

Fertilizer Mixing Plant Machinery.—McDougald, Outland & Co., Clito, Ga.—Wants machinery to install in small fertilizer mixing plant, exclusive of power.

Filters.—City of Baltimore, Md., Mayor Howard W. Jackson, Pres., Board of Awards.—Receives bids May 13 for furnishing and erecting superstructures of building for Monetebello filters; V. Bernard Siems, Water Engr.

Filing Cabinets.—See Office Furniture.

Fire Brick.—See Building Materials, etc.

Floor Sanding Machine.—D. V. Freeman, 376 S. W. Seventh St., Miami, Fla.—Wants floor-sanding machine or floor-surfacing machine that will cut up to the baseboards running with grain of wood.

Furniture (Dormitory), etc.—Chas. L. Orth, Sec., Young Men's Christian Assn., Selma, Ala.—Wants prices on dormitory furnishings, including beds, dressers, chairs, linens, blankets; also settees, rockers, chairs, tables for social rooms; also chinaware, glassware, tables, chairs, etc., for dining-room and kitchen.

Furniture (Dormitory).—Wiley College, M. W. Dogan, Pres., Marshall, Texas—Wants bids to be opened June 1st, on 2 single beds, 2 mattresses, 2 chairs, 1 table and 1 dresser, for each room of 62-room dormitory.

Gasoline—Sanchez Realty Co., 647 Central Ave., St. Petersburg, Fla.—Wants to correspond with all independent refiners of gasoline.

Gravel.—Road and Bridge Committee, F. A. Woods, Sec., East Baton Rouge, La.—Receives bids May 5 to furnish 6000 cu. yds. washed gravel for Perkins Rd.

Gravel.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Receives bids Apr. 30 to furnish gravel to surface 1.19 mi. St. John the Baptist Parish, and .90 mi. Plaquemines Parish; plans on file; S. B. Robert, State Highway Engr.

Gravel.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Receives bids May 10 to furnish gravel to surface 3.63 mi. in Beauregard Parish; plans on file; W. B. Robert, State Highway Engr.

Gymnasium Equipment.—Chas. L. Orth, Sec. Young Men's Christian Assn., Selma, Ala.—Wants prices on gymnasium apparatus, mats, lockers, etc.

Handles (Mop).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Wants 1000 wire mop handles, Gem No. 30 or equal.

Hardware, Automotive Supplies, etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 4 to furnish hardware, automotive supplies, electric supplies, etc.; delivery Marine Barracks, Quantico, Va.; Sch. 590.

Hoists.—See Hydro-Electric Generating Equipment.

Hoist.—See Crane, etc.

Hoist (Locomotive).—Haley, Chisholm & Morris, Contrs., National Bank Bldg., Charlottesville, Va.—Want prices on one Whiting 6 jack locomotive hoist, 300-ton capacity, for new engine terminal, at Russell, Ky.

Hospital Supplies.—C. W. Wadsworth, Gen. Treas., National Home for Disabled Volunteer Soldiers, Dayton, Ohio.—Receives bids May 19 to furnish and deliver clothing, chinaware, bedding, stationery, etc., for one year, ending June 30, 1926.

Hydro Electric Generating Equipment.—Town of Bedford, Va., R. W. Catlin, Mgr.—Wants information and prices on one 300 and one 438 K.V.A. electric generator, direct connected exciter and brakes; 450 h.p. water wheel, including governor; 300 h.p. water wheel outfit, including governor; 20-ton crane and crane girder; motor-operated waste gate and hoists; motor-operated head gate and hoists; 3 hand-operated head gates and hoists, steel gate stems for 5 gates, three 400-K.V.A. transformers, 22000 v-2300. C. W. Whitner & Co., Constr. Engr., Richmond.

Iron (Ornamental and Miscellaneous).—See Building Materials, etc.

Kitchen Equipment.—See Furniture (Dormitory), etc.

Kitchen Supplies.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 4 for kitchen supplies, including 200 ice cream dishers, 100 fish scalers, 275 aluminum sauce pans, 100 aluminum tea pots, etc.

Laboratory Supplies.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 4 for laboratory supplies.

Lime.—See Building Materials.

Lockers.—See Gymnasium Equipment.

Lumber.—State Highway Dept., Court House, Springfield, Ga.—Receives bids May 5 for 3735 lin. ft. of piling and 90,036 ft. B. M. sawed timber for bridges on State Route No. 21, Effingham County, Savannah-Augusta Highway; W. R. Neel, State Highway Engr.

Lumber and Piles.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids May 14 to furnish Southern yellow pine or Douglas fir lumber

and creosoted piles and cypress cross and switch ties. Blank forms and information (Circular 1666) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Mattress-Making Machinery.—Chamber of Commerce, Morristown, Tenn.—Wants data and prices on machinery to make mattresses.

Metal Specialty.—Turnapage Corp., H. H. Harnsberger, Pres., Roanoke, Va.—Wants to contract for the manufacture of metal specialty.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids May 6 to furnish spotlights, radio time receivers, annunciators, bench grinder, stocking cutter, pails, track bonds, paints, rock salt, etc. Blank forms and information (Circular 2382) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Monolite System.—City of Huntington, W. Va., L. D. Newman, Street Commr.—Receives bids May 8 for installation of monolite system; A. B. Maupin, City Engr.

Motor.—See Water and Sewer System.

Motor.—Hackley Morrison Co., Inc., 1708 Lewis St., Richmond, Va.—Wants one 2 or 3 h. d., single phase, 60-cycle, 110-volt motor.

Motor.—See Sewage Pumping Station.

Pipe (Cast Iron).—See Sewage Pumping Station.

Nails (Wire).—E. H. Barto, Inc., Guaranty Bldg., West Palm Beach, Fla.—Wants wire nails in carload lots; correspond with manufacturers.

Office Furniture.—Chas. L. Orth, Sec. Young Men's Christian Assn., Selma, Ala.—Wants prices on office desks, chairs, filing cabinets, etc.

Painting.—City of Corpus Christi, Tex., John T. Wright, City Sec.—Receives bids May 1 for painting of city hall; specifications with H. Levinson, City Engr.

Partitions (Building).—Board of Awards, F. A. Dolsfield, Register, Baltimore, Md.—Receives bids May 6 for proposed new partitions for nurses' quarters in main building, Bay View; C. H. Osborne, Inspector of Buildings.

Photographic Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 8 to furnish photographic supplies; delivery Marine Barracks, Quantico, Va.; Sch. 595.

Pine Tar.—John T. Wyatt, Route 3, Box 10, Salisbury, N. C.—Wants to correspond with manufacturers of pine tar, to purchase in quantities.

Pitchers (Aluminum).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 2 for 12 doz. aluminum pitchers, capacity 2 qt.; Aluminum Cooking Utensil Co.'s No. 935 or equal.

Pipe (Cast Iron).—See Water and Sewer System.

Pipe (Sewer).—See Water and Sewer System.

Pump (Pulsometer).—L. L. Burton, 1004 Eighth Ave., Fort Worth, Tex.—Wants second-hand pulsometer pump, preferably No. 5 or No. 6.

Pump.—See Water and Sewer System.

Punch and Press Machinery.—Eshelman Supply Co., Inc., 1431 N. Twenty-fifth St., Birmingham, Ala.—Wants data and prices on punch and press machinery.

Resaw.—John D. Westbrook, Inc., 1104 E. Water St., Norfolk, Va.—Wants 66-in. Mershon resaw for saw mill use; also Fisher slab resaw.

Road.—State Highway Comm., Frankfort, Ky., will build 77 roads. See Construction News—Road and Street Construction.

Road.—East Baton Rouge Parish, Baton Rouge, La., will build 2 roads. See Construction News—Road and Street Construction.

Road.—Dallas County, Tex.—See Construction News—Road and Street Construction.

Road.—State Highway Comm., Montgomery, Ala., will build 44 roads. See Construction News—Road and Street Construction.

Road Building Material.—State Highway Comm., Old Capital Bldg., Frankfort, Ky.—Receives bids May 25 to deliver one or more 10,000-gal. tank cars of cut-back material for cold patch binder, f.o.b. each for following destinations: Bowling Green, Elizabethtown, Shelbyville, Frankfort, Paris, Cynthiana, Flemont, Brooksville, Winchets, Danville, Middlesboro, London and Stanford; E. N. Todd, State Highway Engr.

Road.—Fayette County, Fayetteville, W. Va. See Construction News—Road and

Street Construction.

Road.—Washington County, Abingdon, Va., will build 6 roads. See Construction News—Road and Street Construction.

Road.—State Road Dept., Tallahassee, Fla., will build 3 roads. See Construction News—Road and Street Construction.

Road.—State Highway Comm., Oklahoma City, Okla., will build 19 roads. See Construction News—Road and Street Construction.

Road.—State Highway Comm., Little Rock, Ark., will build 2 roads. See Construction News—Road and Street Construction.

Road.—Williamsburg County, Kingtree, S. C. See Construction News—Road and Street Construction.

Road.—York County, York, S. C. See Construction News—Road and Street Construction.

Road.—Cass County, Linden, Tex. See Construction News—Road and Street Construction.

Road.—Walker County, Huntsville, Tex. See Construction News—Road and Street Construction.

Road.—Dickens County, Dickens, Tex. See Construction News—Road and Street Construction.

Road.—Freestone County, Fairfield, Tex. See Construction News—Road and Street Construction.

Road.—Webb County, Laredo, Tex. See Construction News—Road and Street Construction.

Road.—Grimes County, Anderson, Tex. See Construction News—Road and Street Construction.

Road.—Louisiana Highway Comm., Baton Rouge, La. See Construction News—Road and Street Construction.

Road.—State Roads Comm., Baltimore, Md., will build 9 roads. See Construction News—Road and Street Construction.

Road.—Tallahatchie County, Sumner, Miss., will improve 13 roads. See Construction News—Road and Street Construction.

Road.—State Highway Comm., Raleigh, N. C., will build 20 roads. See Construction News—Road and Street Construction.

Road.—Louisiana Highway Comm., Baton Rouge, La., will build 2 roads. See Construction News—Road and Street Construction.

Roofing (Cement and Composition).—See Building Materials, etc.

Sanitary Sewer System.—City of San Augustine, Tex., John Thompson, Mayor—Receives bids May 4 for construction of sanitary sewer system; approximate quantities: disposal plant—4496 ft. 6-in. 0 to 4 ft., 5654 ft. 6-in. 4 to 6 ft., 1935 ft. 6-in. 6 to 8 ft. 0 8 ft., 1403 ft. 6-in. 8 to 10 ft., 130 ft. 6 in. 10 to 12 ft., 185 ft. 6-in. 12 to 14 ft., 145 ft. 6 in. 14 to 16 ft., 766 ft. 8 in. 0 to 4 ft., 1131 ft. 8-in. 4 to 6 ft., 805 ft. 8-in. 6 to 8 ft., 240 ft. 8 in. 8 to 10 ft., 437 ft. 8 in. 10 to 12 ft., vitrified sewer pipe; 50 ft. 8-in. case iron pipe; 4 concrete piers, including 453 ft. of 10-in. 0 to 4 ft., 870 10-in. 4 to 6 ft., vitrified sewer pipe; 434 ft. std. manholes; 53 ft. extra depth std. manholes; 54 ft. std. drop manholes; 4 std. 6 ft. cleanouts, 280 6-in. 6-in. by 6-in. Y's; 80 6-in. by 8-in. Y's; 40 6-in. by 10-in. Y's; 4110.2 sq. yds., extra rock excavations. W. A. French, City Engr.

School Equipment, etc.—Building Dept., Board of Education, Ninth and Locust Sts., St. Louis Mo.—Receives bids May 6 for following: Cabinet work, lunchroom and kitchen equipment, steel cots and slate blackboards, for the Elias Michael School; mechanical equipment, steel cots, lunchroom and kitchen equipment, slate blackboards and cabinet work in school for handicapped colored children; mechanical equipment for electrical and sheet metal shops, McKinley Intermediate School; R. M. Mulligan, Commr. of School Bldgs.

Sewer.—See Water Works.

Sewer Construction.—Jefferson City, Mo.—Receives bids May 4 for construction of sewer in District No. 28; work includes 14 manholes with covers; 1747 ft. of 6-in. standard vitrified sewer pipe; 40 joints 4-in. on 6-in. standard Y connections; 46 joints 4-in. on 8-in. standard Y connections; 93 cu. yds. stone excavation; 3293 ft. of excavation and refilling trench 0 to 6 ft.; 355 ft. excavation and refilling trench 6 ft. to 8 ft.; 125 ft. of excavation and refilling trench 8 ft. to 10 ft.; 50 ft. of excavation and refilling trench 10 to 12 ft.; F. E. Ross, City Engr.

Sewer System.—See Water and Sewer System.

Sewage Pumping Station.—T. A. Norris,

CONSTRUCTION DEPARTMENT

Sebastian County Judge, Fort Smith, Ark.—Receives bids May 5 for furnishing materials and constructing sewage pumping station and force main at County Hospital; work includes: 105 cu. yds. excavation for pump and pump kit; brick pump house, including pump and pump pit, reinforced concrete, 12x21, outside dimension: 3660 ft. 6-in. cast iron pipe, Class A, furnished and laid, including specials and excavations and back fill; 3 standard manholes; 375 ft. of 6-in. vitrified pipe; 2 flanged 6-in. double gate valves; 1 flanged 6-in. swing check valve; 1 vertical centrifugal pump designed for pumping sewage; direct connected to 15 h.p. motor 220-volt, 3-phase, 60-cycle, capacity of 250 gals. per minute, equipped with automatic starter and float switch, including special piping; W. L. Winters, Engr., Fort Smith.

Skylights.—Pickens Cabinet Works, Pickens, S. C.—Wants prices on skylights.

Soap Powder.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids April 30 to furnish 6240 lbs. soap powder; delivery Post Quartermaster, Quantico, Va.; Sch. 589.

Steamers.—D. V. Freeman, 376 S. W. 7th St., Miami, Fla.—Wants to purchase small steamers or some auxiliary sailing vessel of about 100 to 150 tons.

Steel Hull.—U. S. Engineer Office, Rock Island, Ill.—Receives bids May 16 to construct and deliver one steel hull for towboat Ellen.

Steel (Structural and Reinforcing).—See Building Materials, etc.

Street Improvement.—City of Dunbar, W. Va. See Construction News—Road and Street Construction.

Street Improvement.—City of Huntington, W. Va. See Construction News—Road and Street Construction.

Street Improvement.—City of Sarasota, Fla. See Construction News—Road and Street Construction.

Street Improvement.—City of Baltimore, Md. See Construction News—Road and Street Construction.

Street Improvement.—City of Tampa, Fla. See Construction News—Road and Street Construction.

Street Improvement.—City of Little Rock, Ark. See Construction News—Road and Street Construction.

Street Paving.—City of Cedar Grove, La. See Construction News—Road and Street Construction.

Street Repaving.—City of Richmond, Va. See Construction News—Road and Street Construction.

Structural Steel.—See Building Materials, etc.

Table (Operating).—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 4 for one Oppenheimer Orthopedic and Fracturing operating and plaster table, complete; Hospital Supply Co.'s Catalog No. 4173 or equal.

Tank and Storage Equipment.—Sanchez Realty Co., 647 Central Ave., St. Petersburg, Fla.—Wants to correspond with manufacturers of tank and storage equipment.

Tank and Tower.—See Water and Sewer System.

Textile Machinery.—The Trinidad Asphalt Roofing Co., Greensboro, N. C.—Wants reed machinery for textile purposes; data and prices.

Transformers.—See Hydro-Electric Generating Equipment.

Venturi Meter Tubes and Registers.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids May 6 to furnish and deliver 3 Venturi meter tubes and special registers to Water Department; f.o.b. Baltimore; V. Bernard Siems, Water Engr.

Water and Sewer.—City of Wewoka, Okla., J. R. Fracer, Clk.—Receives bids May 7 for water works and sewer improvements, including 5 miles of 4-in. and 6-in. water mains and 6 miles 8-in. to 15-in. sewer lines, sewage disposal plant and small dam; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City.

Water and Sewer System.—Town of Gibson, N. C., W. F. Lovin, Mayor—Receives bids May 8 for furnishing material and constructing water works and sewer system; 50 g.p.m. deep well pump; 5 h.p., 220-volt, 1200 r.p.m. slip ring motor two 3 kw. 2200-220 volt transformers; 100,000-gal. steel tank on 75-ft. tower, 1350 ft. of 8-in., 6125 ft. of 6-in. B. & S. pipe, Class B or equal; 24 ft. of 10-in., Class A or equal; 3 tons cast iron fittings; 8100 ft. of 1½-in. galvanized pipe, 160 1½-in.x¾-in. galvanized crosses, five 1½-in. galvanized tees, 320 ¾-in. black plugs, ten 1½-in. black plugs, 16

standard 2-way hydrants, 6-in. Bell, 3-ft. ditch; four 8-in. and six 6-in. H. E. gate valves and boxes, ten 1½-in. gate valves, ten valve boxes for 1½-in. valves, 400 ft. of 6-in., 1570 ft. of 8-in., 2176 ft. of 10-in. and 2530 ft. of 15-in. sewer pipe; necessary sewer pipe specials; two 5-in. automatic flush tank siphons, 160 bbls. Portland cement, 100 tons washed gravel or crushed stone, 30 cu. yds. concrete sand, 20 cu. yds. building sand, 22,000 all hard common brick, 16 standard manhole rings and covers, 1 light manhole ring and cover, 65 manhole teps, 8000 lbs. virgin pig lead, 400 lbs. oiled jute, 600 lbs. dry jute; state unit prices f.o.b.; J. B. McCrary Engineering Corp., Constr. Engrs., Atlanta, Ga.

Water Wheel.—See Hydro-Electric Generating equipment.

Wharf Equipment.—H. C. Armstrong, Pres., City National Bank, Selma, Ala.—Wants data and prices on wharf equipment including hoists, cranes and elevators.

Winch (Steam Cargo).—Seaboard Shale Brick & Tile Co., 105 Latta Arcade, Charlotte, N. C.—Wants steam cargo winch; correspond with companies wrecking U. S. cargo steamers.

Wood Tanks.—Alex. M. Robinson, Georgetown, Ky.—Wants prices on good first class wood tanks, double heads, with capacity from 25,000 to 50,000 gal. each; give best prices for resale, location and condition.

Manufacturers Record

Co., incorporated; S. K. Brown, Pres.-Treas.; T. D. Harrison, Sec.

Ga., Athens—Benson-Williams, Inc., capital \$62,200, incorporated; Oscar Benson, F. H. Williams.

Ky., Louisville—Dr. James E. Shepard, Principal Durham State Normal School, Durham, N. C., and Dr. R. R. Moton, Pres. Tuskegee Institute, Tuskegee, Ala., interested in promoting Negro Finance Corp., with \$1,000,000 capital.

La., Shreveport—American National Bank of Shreveport, M. A. McCutchen, Pres., plans increasing capital, \$150,000 to \$300,000.

Md., Baltimore—Litchfield Building & Loan Assn., Inc., 563 Calvert Bldg., capital \$130,000, incorporated; Herman Seidel, Edward Roseman.

Md., Catonsville—Catonsville Finance Co., incorporated; Ortho L. Gladding, Maple Ave.; Conrad H. Diehlman.

Mo., Kansas City—El-Mar Loan & Investment Co., incorporated; Henry Ghertner, 5730-A Easton; Paulino Klutten.

Mo., Kansas City—Henry Moore Investment Co., incorporated; G. C. Weatherby, 526 Lathrop St.; Henry Moore.

Mo., Kansas City—New England National Bank & Trust Co., reorganized; Jos. F. Porter, Pres.; formerly New England National Bank.

Mo., St. Louis—West End Investment Co., 830 Pierce Bldg., incorporated; Wm. Davis, M. L. Barnett.

Mo., Springfield—Great Southern Savings & Loan Assn., R. M. Mack, Pres., 761 Cherry St.; increased capital \$2,000,000 to \$3,000,000.

N. C., Forest City—Industrial Loan & Investment Bank, capital \$100,000, incorporated; J. H. Thomas, Pres.; B. H. Long, Cashier.

Tenn., Humboldt—The Home Savings & Loan Assn. increased capital, \$150,000 to \$450,000.

Tenn., Humboldt—Homes Savings & Loan Assn., R. O. Williams, Pres., plans increasing capital to \$450,000.

Tenn., Memphis—Certified Mortgage & Securities Corp., Union & Planters Bldg., capital \$50,000, incorporated; C. H. Williams, B. A. Bogy.

Tex., Como—Como National Bank, capital \$25,000, incorporated; L. Carroll, Pres.; B. B. Cain, Cashier; conversion of Como State Bank.

Tex., Dallas—Dallas-Tex Finance Corp., capital \$180,000, incorporated; R. H. McCann, R. T. Meador, Kirby Bldg.

Tex., El Paso—Cotton Finance & Trading Co., capital \$100,000, incorporated; Dr. J. D. MacGregor, Pres.; G. C. Moore, Sec.-Treas., 2718 Louisville St.

Tex., Georgetown—City National Bank of Georgetown, capital \$25,000, incorporated; O. W. Sherrill, Pres.; Dan P. Craddock, Cashier; succeeds Guaranty State Bank of Georgetown.

Tex., Lubbock—First National Bank in Lubbock, capital \$200,000, incorporated; O. L. Slaton, Pres.; J. M. Denman, Cashier; conversion Lubbock State Bank.

Tex., Lubbock—Lubbock National Bank, capital \$100,000, incorporated; C. E. Maegden, Pres.; F. W. Groce, Cashier; conversion Security State Bank & Trust Co.

Tex., Lubbock—Lubbock Building & Loan Assn. plans increasing capital, \$1,000,000 to \$10,000,000.

Tex., Milford—First National Bank of Milford, capital \$25,000, incorporated; J. K. McDaniel, Pres.; J. G. Cheatham, Cashier; conversion First State Bank of Milford.

Tex., Needville—Needville State Bank and Trust Co. conversion to First National Bank, capital \$50,000.

Tex., Odell—First National Bank of Odell, capital \$25,000, organized; W. P. Starr.

Tex., Plano—Plano Building & Loan Assn., capital \$300,000, incorporated; C. J. Matthews, Charles E. Hood.

Tex., Sudan—Sudan State Bank, conversion to First National Bank, capital \$25,000.

Tex., Sylvester—First National Bank, capital \$35,000, incorporated; C. M. Webb, Pres.; V. B. Carothers, Treas.; succeeds First State Bank.

W. Va., New Martinsville—West Virginia Title & Trust Co., capital \$100,000, incorporated; J. V. Dayton, H. M. Phillips.

Financial News

New Financial Corporations

Ala., Birmingham—North Birmingham Loan & Investment Co., Inc., 2908 N. 27th St., capital \$50,000, chartered; R. H. Wharton, J. H. Berry.

Ark., Little Rock—The Capitol Finance Corp., 525 W. Capitol Ave., capital \$50,000, chartered; Thomas W. Freeman, Pres.; E. F. Damm, Sec.

Fla., Bradenton—Bradenton Finance Corp., capital \$250,000, incorporated; Peter W. McGuire, Pres.; G. B. Knowles, Sec.-Treas.

Fla., De Land—Volusia Investment Co., Inc., capital \$25,000, incorporated; Erskine W. Landis, Pres.; Francis P. Whitehair, Sec.-Treas.

Fla., Fort Myers—First National Co. of Fort Myers, capital \$500,000, incorporated; Frank C. Alderman, Pres.; C. C. Pursley, Sec.-Treas.

Fla., Kissimmee—Osceola Building & Loan Assn., organized; J. Wade Tucker, Pres.; A. E. Thomas, Sec.-Treas.

Fla., Lakewood—Bryant Investment Co., capital \$500,000, incorporated; H. J. Bryant, Pres.; W. F. Greenwood, Sec.-Treas.

Fla., Miami—East Vedado Corp., capital \$50,000, incorporated; Bruce Floyd, Pres.; Richard H. Rice, Sec.-Treas., S. W. 22nd St.

Fla., Miami—First Savings Building Corp., capital \$100,000, incorporated; Calvin Oak, Pres., 739 N. W. 3rd St.; Alec. Baker, Sec.-Treas.

Fla., Miami—Investment Syndicate, Inc., capital \$100,000, incorporated; John W. Claussen, Pres.; Floyd L. Knight, Sec.-Treas., First National Bank Bldg.

Fla., Miami—Metropolitan Investment Corp., capital \$75,000, incorporated; F. W. Andress, Pres.; J. H. Everett, Sec.-Treas.

Fla., Miami—Wade H. Harley, Inc., incorporated; Wade H. Harley, Pres.-Treas., 1446 S. Bay Shore Drive; Eugenia Harley, Sec.

Fla., St. Augustine—Matanzas Investment Co., incorporated; F. R. Perry, Pres., 52 Charlotte St.; M. L. Stephens, Sec.-Treas.

Fla., Tampa—Nebraska Ave. Bank, capital \$50,000, incorporated; R. O.; Nichols, W. Treese.

Fla., Tampa—Southern Finance & Mortgage Co., incorporated; Alvin D. Dupree, Pres.; Dwight D. Nay, 141 N. E. 45th St., Sec.-Treas., both Miami.

Fla., Valrico—Phipps Security Co., incorporated; Stephen G. Phipps, Pres.; Helen C. Phipps, Sec.-Treas.

Fla., West Palm Beach—Flagler Investment Co., capital \$50,000, incorporated; Arthur McLeod, Pres.; Edgar P. Ettenheim, Sec.-Treas.

Fla., West Palm Beach—Brown Securities

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

New Securities

Ala., Anniston—School—School Board petitioned City Council to call election on \$100,000 bonds; W. A. White, Supt.

Ala., Jacksonville—School—City Board of Education will call election May 25 on \$25,000 bonds.

Ala., Mobile—School—School Comms., H. H. Wefel, Jr., Pres., will call election June 22 on \$20,000 bonds.

Ala., Tuscaloosa—Public Improvement—City Comms., D. B. Robertson, Pres., receives bids May 6 for \$160,000 6% bonds.

Ark., El Dorado—Sewer—Union County Comms., J. D. Trimble, Sec., receives bids April 30 for \$40,000 6% \$1000 denom. Sewer Dist. No. 4 bonds.

Ark., Magnolia—Water, Sewer—City Comms., J. O. Hutcheson, Chmn., receives bids May 12 for \$157,500, \$500 and \$1000 denom. bonds.

Ark., Wynne—Indebtedness—Cross County, H. T. Mitchell, County Judge, contemplates \$21,000 bond issue.

Fla., Bartow—Road—Polk County votes May 12 on bonds. Address County Comms.

Fla., Bushnell—Highway—Sumter County sold \$650,000 6% bonds to Prudden & Co., Seasongood & Mayer, and Stranahan, Harris and Oatis, all Toledo, at premium of \$113.75.*

Fla., Haines City—School—City votes in May on \$75,000 bonds. Address City Clk.

Fla., Bushnell—School—Sumter County Board of Public Instruction receives bids May 19 for \$35,000, 6% \$500 denom. bonds.

Fla., Cocoa—Municipal Improvement—City, H. G. Brunson, Clk., receives bids May 1 for \$225,000 bonds.*

Fla., Cocoa—Municipal Improvement—City, H. G. Brunson, Clk., voted \$223,000 bonds: \$184,000 street paving, \$14,000 docks, \$25,000 water and sewer mains extension.*

Fla., Delray—Bridge—Palm Beach County Comms., Fred E. Feno, Clk., West Palm Beach, will call election May 12 on \$60,000 bonds.

Fla., Fort Meade—City voted \$100,000 bonds. Address Polk County Comms., Bartow.*

Fla., Fort Pierce—Road—St. Lucie County Comms. contemplates \$850,000 bond issue. Address County Comms.*

Fla., Fort Pierce—Road—St. Lucie County Comms. will call election May 19 for \$50,000 bonds.

Fla., Fort Pierce—St. Lucie County, Vero, North County Section, votes May 26 on \$490,000 road bonds. Address County Comms.*

Fla., Fort Pierce—St. Lucie County, Fort Pierce South County Section, contemplates \$845,000 bond election. Address County Comms.*

Fla., Groveland—General Obligation—Town, Sherman Drawdy, Clk., sold \$66,000 bonds to Hanchett Bond Co., 39 S. La Salle St., Chicago, Ill., at \$67,508.*

Fla., Key West—Road—Monroe County voted \$2,600,000 to continue 125 mi. boulevard over Florida Keys to mainland. Address County Comms.

Fla., Lakeland—School—Lakeland School Dist. voted \$200,000 bonds; Prof. G. E. Everett, Supt. of Schools.*

Fla., La Belle—School—Hendry County, B. Vance, Fiscal Agt., receives bids this week for \$50,000 bonds.*

Fla., Miami Beach—Public Improvement—City, C. W. Tomlinson, Clk., receives bids May 15 for \$939,000 bonds.

Fla., Moore Haven—Courthouse and Equipment—Glades County Comms. receives bids May 18 for \$150,000 6% bonds; N. S. Wainwright, Clk.*

Fla., Okeechobee—Courthouse—Okeechobee County contemplates \$200,000 6% bond issue. Address County Comms.

Fla., Okeechobee—Water Works—City sold \$110,000 6% bonds to Bank of Okeechobee Bank at \$116,935.*

Fla., Orlando—Indebtedness—City, Mayor Giles, contemplates \$500,000 8% bond issue.

Fla., Sarasota—School—Sarasota County voted \$200,000 bonds; receives bids May 26 for 6% bonds; T. E. Yarbrough, Supt. of Public Instruction.*

Fla., St. Augustine—Street Paving, Sewer, Water—City contemplates bond issue; George McKendrick, City Engr.

Fla., St. Petersburg—Municipal Improvement—City voted May 26 on \$2,413,700 bonds: \$493,700 waterfront improvements, \$1,000,000

CONSTRUCTION DEPARTMENT

municipal recreation pier, \$250,000 improve parks and parkways, \$490,000 open street, \$180,000 widen and deepen creeks, reconstruct walls and sidewalks with necessary storm sewer connections; S. S. Martin, Director of Finance.*

Fla., St. Petersburg—Street Paving—City, Ernest Kitchen, Director of Public Works will sell bonds.

Fla., South Jacksonville—Municipal, Improvement—City, E. Jackson Butler, Clk., sold \$400,000 bonds to W. L. Slayton Co., Toledo, Ohio, at premium of \$6800.*

Fla., Tampa—School—Hillsborough County School Board sold \$65,000 Sulphur Springs Special School Tax Dist. to Hillsborough State Bank of Plant City at premium of \$4667 and accrued interest.

Fla., Tampa—Seawall—Hillsborough County Comms. sold \$157,000 Bayshore bonds to Stranahan, Harris & Oatis, Toledo, at premium of \$1706 and accrued interest.*

Fla., Tampa—Drainage—Hillsborough County sold \$120,000 6% Harvey Drainage Dist. coupon bonds to First Savings & Trust Co. of Tampa, at 95.

Fla., Tavares—School—Board of Public Instruction, D. H. Moore, Sec., receives bids May 11 for \$300,000 5½% bonds.

Fla., Winter Haven—School—City voted \$250,000 bonds. Address City Clk.*

Fla., Vero—Electric Light Plant—City sold \$140,000 bonds to Farmers' Bank of Vero, at premium of \$1582.*

Fla., Atlanta—Road—Good Roads Assn., C. C. Thomas, Pres., Griffin, proposes \$7,000,000 bond issue.

Fla., Camilla—Road—Mitchell County sold \$400,000 5% bonds to Trust Co. of Georgia, Atlanta, at premium of \$76.

Fla., Savannah—Road—State Highway Comm., East Point, Ga., Harvey Granger, Chmn., Savannah, receives bids May 15 for \$900,000 bonds.*

Ky., Louisville—Sewer—Sewer Comms., will receive bids soon for \$2,000,000 bonds.

Ky., Newport—School—Campbell County Comms., Wm. Millius, Clk., Alexandria, and City Com. contemplate \$25,000 bond issue.

La., Alexandria—Road—Rapides Parish Police Jury will call election May 19 on \$9000 Road Dist. No. 32 bonds; sold \$24,000, Road Dist. No. 31 bonds to L. E. French & Co., Alexandria, at par, accrued interest and premium of \$81.

La., Agurs—Water—City votes May 19 on \$37,500 bonds. Address Chas. D. Evans, Engr., Levy Bldg., Shreveport.

La., Baton Rouge—City Comm. sold \$200,000 bonds to John Nuvene & Co., 38 S. Dearborn St., Chicago, at premium of \$9280.*

La., Baton Rouge—Governor Fuqua and L. B. Baynard, Jr., State Treas., receive bids July 1 for \$1,700,000 5% Confederate Veterans' certificates. Lately noted bids April 18.

La., Chamberlain—Drainage—Board of Comms., Drainage Dist. No. 1, West Baton Rouge Parish, A. P. Devall, Sec., receives bids May 11 for \$12,000 6% Subdrainage Dist. "A" bonds.

La., Monroe—Courthouse and Jail—Ouachita Parish Police Jury, W. A. O'Kelly, Clk., receives bids May 13 for \$125,000 6% bonds.

La., Plaquemine—Road—Iberville Parish, Road Dist. No. 2, voted \$25,000 bonds. Adr. Police Jury.

Md., Baltimore—City, Howard W. Jackson, Mayor, will sell \$21,500,000 4% bonds; R. Walter Graham, City Comptroller.

Md., Cambridge—Lateral Road—Dorchester County Comms. sold \$22,000 4½% bonds to Brinkman & Co.*

Md., Centerville—Lateral Road—Queen Anne's County Comms., C. Edgar Smith, Clk., receives bids May 19 for \$21,000 5% bonds.

Md., Cumberland—General Improvement—City, W. E. McDonald, Commr. of Finance and Revenue, receives bids May 4 for \$100,000 bonds.

Md., Salisbury—Lateral Road—Wicomico County Comms., Harry Dennis, Clk., receives bids May 12 for \$24,000 5% bonds.

Miss., Greenville—Road—Washington County Board of Supvrs. will call election May 12 on \$150,000 bonds.*

Miss., Hernando—Water Works—City voted \$20,000 bonds. Address City Clk.

Miss., Magnolia—Road—Pike County Board of Supvrs. sold \$125,000 5½% Northern Road Dist. bonds to Union & Planters Bank and Trust Co., Memphis, Tenn., at \$250.*

Miss., Sarah—School—Moore's Consolidated School Dist. plans bond issue. Address Pres. Board of Trustees.

Mo., Ash Grove—Water Works—City, Bert Woolsey, Mayor, sold \$50,000 bonds to Mississippi Valley Trust Co., St. Louis, at premium of \$2860.*

Mo., Independence—School—Jackson County, Pitcher Dist., plans \$29,000 bond issue. Address County Comms.

Mo., Louisiana—Street Paving—City votes May 6 on \$16,000 bonds. Address City Clk.

Mo., Moberly—Park—City votes May 12 on \$25,000 bonds. Address the Mayor.

Mo., Nevada—County Hospital—Vernon County contemplates \$185,000 bond election. Address County Comms.

Mo., St. Louis—Indebtedness—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, requested authority Interstate Commerce Comm., to issue \$35,417,000 5% bonds.

Mo., Springfield—Water—Springfield City Water Comm. requested authority State Public Service Comm. to issue \$700,000 Series B Preferred bonds.

Mo., Webb City—Street Improvement—City, L. O. Walker, Clk., plans selling \$40,000 bonds.*

Mo., West Plains—Sewerage—City votes May 26 on \$50,000 bonds. Address City Clk.*

N. C., Asheville—Road and Bridge—Buncombe County Comms. George A. Digges, Jr., Clk., receives bids May 5 for \$1,000,000 4½% or 4¾% bonds.

N. C., Bakersville—Road—Mitchell County Road Comms., W. B. Ellis, Chmn., receive bids May 5 for \$6000 6% bonds.

N. C., Danbury—Highway—Stokes County Comms., J. J. Taylor, Clk., sold \$120,000 4¾% \$1000 denom. bonds to A. T. Bell & Co., Cincinnati, at premium of \$1633.*

N. C., Elizabeth City—Street Paving—City, W. M. Ferebee, Mgr., contemplates \$100,000 bond election.*

N. C., Fayetteville—School—Cumberland County Comms., C. C. Howard, Clk., receives bids May 4 for \$50,000 6% Eastover bonds.

N. C., Lexington—School Indebtedness—City voted \$50,000 bonds. Address Pres. School Board.*

N. C., Murphy—Street Improvement—Town, B. W. Sipe, Clk., receives bids this week for \$20,000 6% bonds.

N. C., Oxford—Granville County Comms., C. G. Powell, Clk., receives bids May 4 for \$18,000 5% bonds.

N. C., Oxford—School—Granville County Comms., C. G. Powell, Clk., receive bids May 11 for \$240,000 5% \$1000 denom. bonds.

N. C., Yadkinville—School—Yadkin County Board of Comms., T. R. Eaton, Clk., receives bids May 4 for \$12,000 6% \$500 denom. Dist. No. 1 of Knobs Township bonds.

Okl., Geary—School—City voted \$28,000 bonds. Address City Clk.

Okl., Holdenville—Water Works—City voted \$128,000 bonds; V. V. Long & Co., Engrs., Colecord Bldg., Oklahoma City.

Okl., Putnam—School—City voted \$50,000 Consolidated Dist. No. 1 bonds; Mrs. Ida M. Hale, Taloga County Supt.

Okl., Yukon—School—City will vote soon on \$45,000 bonds; Ralph Myers, School Supt.

S. C., Beaufort—Road—Beaufort County sold \$500,000 6% \$1000 denom. Sheldon Township bonds to Splitzer, Rorick & Co., Toledo, at par.

S. C., Columbia—Tax Anticipation—S. T. Carter, State Treasurer, sold \$5,000,000 3% notes to Goldman, Sachs & Co., Curtis & Sanger, Scholle Brothers and R. W. Pressprich & Co.

S. C., Georgetown—Bridge—Georgetown County sold \$60,000 bonds to R. S. Dickson & Co., Woodside Bldg., Greenville, at 100.21.*

S. C., Marietta—School—Marietta School Dist. voted \$15,000 bonds; A. P. Sutherlin, member of Board of Trustees.

S. C., Spartanburg—General Improvement—City contemplates \$1,000,000 bond issue. Address City Clk.

S. C., Spartanburg—Indebtedness—City sold \$100,000 4% short-term notes to Bank of Commerce and \$77,000 4% notes to A. M. Law & Co., Allen & Law Bldg.*

Tenn., Bristol—Municipal Improvement—City voted \$200,000 bonds: \$150,000 school; \$50,000 fire station. Address City Clk.*

Tenn., Chattanooga—Municipal Improvement—City, Richard Hardy, Mayor, sold \$855,000 bonds at premium of \$51,401: \$500,000 suburban improvement and \$260,000 public school bonds, jointly to Caldwell &

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co., Nashville, and Harris Trust & Savings Bank, Chicago; \$95,000 paving bonds to Eldredge & Co., 14 Wall St., New York.*

Tenn., Covington—Highway—Tipton County, John Y. Peete, County Judge, receives bids May 4 for \$145,000 5 or 5½% bonds.

Tenn., Humboldt—Water and Light Plant—City voted \$75,000 bonds. Address Board of Aldermen.*

Tenn., Jonesboro—School—Washington County Election Commrs. will call election May 23 on \$35,000 bonds; W. M. Hyder, Chmn.

Tenn., Kingston—Street, Sewer, School—City voted bonds. Address City Clk.

Tenn., St. Elmo Branch, Chattanooga—Sewer, Park—City contemplates \$85,000 bond issue. Address City Clk.

Tex., Big Springs—Water—City voted \$30,000 bonds; J. W. Middleton, Sec.*

Tex., Brownfield—Paving—City sold \$50,000 bonds to D. E. Dunne & Co., Wichita, Kansas, at par, accrued interest and premium of \$500.

Tex., Brownsville—School—School Board sold \$85,000 El Jardin bonds to W. K. Ewing & Co., Houston Bldg., San Antonio, at premium of \$531.*

Tex., Brownsville—Drainage—Cameron County sold \$61,700 6% Drainage Dist. No. 4 bonds to H. C. Burt & Co., 718 McKinney St., Houston, at 94.25.

Tex., Cameron—Municipal Improvement—City votes this week on \$50,000 street paving and \$75,000 indebtedness bonds. Address City Clk.

Tex., Comanche—Water Extension—City votes May 7 on \$50,000 bonds. Address City Clk.

Tex., Dickens—Refund—Dickens County sold \$400,000 bonds jointly, to Edgar Hanold, Oklahoma City, and C. E. Dunne & Co., Wichita, Kan.*

Tex., El Paso—School—Lillian G. Huggett, County Supt. of Schools, receives bids May 1 for \$53,000 5½% \$1000 denom. bonds.

Tex., Georgetown—School—Williamson County, Whitehouse and Seymour School Dists., contemplate \$20,000 bond election; H. L. Egger, County Supt.

Tex., Gregory—School—City votes May 16 on \$30,000 bonds. Address City Clk.

Tex., Hereford—Hereford Independent School Dist., votes May 12 on \$125,000 bonds; sold 5% bonds to Brown-Crummer Co., Wichita, Kansas, at par, accrued interest and premium of \$500.*

Tex., Houston—Municipal Improvement—City, O. F. Holcombe, Mayor, receives bids May 15 for \$1,550,000 bonds.*

Tex., Kingsville—Hospital—Kleberg County Commrs. Court will call election May 23 on \$35,000 bonds.

Tex., Port Lavaca—Water Works—City sold \$60,000 6% bonds to Brown-Crummer Co., Kirby Bldg., Dallas.*

Tex., Quanah—Road—Hardeman County voted \$800,000 bonds; Chas. Y. Welch, County Judge.*

Tex., San Antonio—Water Works—City voted \$500,000 bonds; contemplates \$7,000,000 bond issue; John W. Tobin, Mayor.*

Tex., Santa Anna—Water—City sold \$45,000 bonds to H. C. Burt & Co., 718 McKinney St., Houston.

Tex., Vernon—Municipal Improvement—City voted \$20,000 street paving and \$15,000 water works improvement bonds; Harry Mason, Mayor.*

Tex., Waxahachie—Road—Ellis County sold \$330,000 5% Road Dist. No. 1 bonds to Taylor Ewart & Co., 137 S. LaSalle St., Chicago, at 101.26.*

Tex., Weimer—School—School Board, Henry Gendler, Sec., sold \$100,000 5½% bonds to W. L. Slayton & Co., Toledo, at premium of \$6350.*

Tex., Wortham—Street Paving—City contemplates bond election; A. J. McKinney, Clk.

Va., Boydton—Road and Street Paving—Mecklenburg County, South Hill Dist., voted \$30,000 bonds. Address County Commrs.

Va., Falls Church—School—Town, J. F. Haverty, Clk., receives bids May 1 for \$75,000 bonds.

Va., Fort Myer Heights—Road—Arlington County, Arlington Dist., defeated \$753,503 bonds; Arthur Orr, Chmn.*

Va., Grundy—Road and Bridge—Buchanan County sold \$150,000 5½% coupon bonds to Walter, Woody & Heimerdinger, 403 Dixie Term. Bldg., Cincinnati, at premium of \$577.*

Va., Pocahontas—Municipal Improvement—City sold \$70,000 bonds to Walter, Woody & Heimerdinger Co., Cincinnati, at premium of \$1160.

W. Va., Buckley—Road—Raleigh County defeated \$750,000 bond issue. Address County Commrs.*

W. Va., Charleston—Bridge—Kanawha County Commrs. contemplate \$1,750,000 bond election.

W. Va., Huntington—Fire Equipment—City, Floyd A. Chapman, Mayor, will call election May 25 on \$175,000 bonds.

W. Va., Keyser—School—City defeated \$50,000 bond election. Address Pres. Board of Trustees.

W. Va., Pineville—Road—Wyoming County voted \$175,000 bonds. Address County Commrs.

W. Va., Welch—Municipal Improvement—City votes May 23 on \$121,000 bonds. Address City Clk.*

Farmers State Bank, Kingsville, Tex., acquired Riviera State Bank; Karl C. Henny, Pres.

Farrier Brothers, Omaha, Tex., purchased defunct Guaranty State Bank & Trust Co. of Sulphur Springs.

Poplar Bluff Trust Co., Poplar Bluff, Mo., absorbed Bank of Hendrickson.

With the opening on April 14 of its new office in the Grand Central Palace Building, Lexington Ave. and Forty-seventh St., New York, the United States Mortgage & Trust Co. of that city has placed in operation its fourth uptown branch. The branch will be in the charge of Blinn F. Yates, vice-president, with E. W. Cromwell as manager. The new office has a frontage of 70 feet on Lexington Ave., and it is accessible by entrances on four thoroughfares.

Trade Literature

Edison Mazda Lamp Bulletins.

Four illustrated and exceedingly interesting bulletins have been issued by the Edison Lamp Works of the General Electric Co., Harrison, N. J. One of these discusses "Electric Light on the Farm," another treats of "Adequate and Efficient Motor Bus Lighting," a third relates to the "Miniature Edison Mazda Lamps," and a fourth to "The Manufacture of the Edison Mazda Lamp." The company will supply copies on request.

Ohio Electric Magnets Bulletin.

The Ohio Electric & Controller Co., Cleveland, Ohio, have just issued their Bulletin No. 107, describing Ohio lifting magnets, with divers illustrations showing them in actual use, etc. These magnets are employed in the iron and steel trades; also for the magnetic separation of "tramp iron" from ore, cement, coal, etc., over conveyors or chutes. The pictures convey suggestions of profitable use of them for handling pipe in warehouses, rails, billets, etc., as well as for moving iron, steel and scrap in bulk.

Red Cross Text Book for Industrial First Aid.

A third revision of the American Red Cross Abridged Text Book on First Aid; Industrial Edition; has been published by P. Blakiston's Son & Co., 1012 Walnut street, Philadelphia. This book of 262 pages, finely printed and illustrated, is bound in a substantial paper cover and forms a handy manual for quick reference in emergencies. It was prepared by Col. Charles Lynch and Lt. Col. M. J. Shields, both of the Medical Reserve Corps, United States Army, and is therefore a handbook of authority. Its nominal price puts it within the reach of everyone engaged in industrial activities, for whom this edition has been especially prepared.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Plibrico Firebrick Book.

The Plibrico Jointless Firebrick Co., Chicago, Ill., have issued a second edition of their 36-page book entitled "Refractories and Furnace Design." This publication is described as "a complete treatise on the building of monolithic furnace linings with Plibrico furnace lining." It is printed in a superior manner and is profusely illustrated, many of the pictures showing installations.

Jeffrey Bucket Elevator Catalogue.

Catalogue No. 410 of the Jeffrey Manufacturing Co., Columbus, Ohio, features a complete line of standardized bucket elevators for service in sand and gravel plants, quarries, cement mills, industrial plants, coal yards, power houses, fertilizer plants, railroad coaling stations and other industries where loose materials have to be handled. The book gives full particulars, tabulated data, etc., concerning these elevators.

Two New Blaw-Knox Bulletins.

The Blaw-Knox Company, manufacturers of steel products, Pittsburgh, Pa., have issued two finely illustrated publications, one of them entitled "Road Building Equipment," and the other "Railroad Buckets." The first of these issues tells about the company's road-building forms, adjustable measuring batchers, batcher plants, steel bins, buckets for various uses, curb and gutter forms, truck turntables, etc. The other treats of buckets such as are required particularly for railroad uses. Each bulletin is complete.

New and Original Myers Booklet.

A pocket-size illustrated booklet issued by the F. E. Myers & Bro. Co. of Ashland, Ohio, bears the title "How to Be Happy Though Married," which tells a story in verse that is woven around the Myers products and the factory which makes them. The company manufactures pumps for every purpose, hay tools, door hangers, etc. It is intended to send out later thousands of copies of this booklet to distributors of the Myers products, but at present dealers or others desiring copies can obtain them by writing to the company.

Facts Concerning Budget Control.

"Budget Control" is the name given to a thirty-page booklet published by the Frank Presby Company, 247 Park Avenue, New York, for Ernst & Ernst, whose offices for audits, systems and tax service are distributed in forty-five cities throughout the country from coast to coast. This book was written by A. C. Ernst and there is probably no organization which has had wider or more practical experience in this line of business accounting than that headed by him. It is devoted to the subject of growth and profits protection through budgeting. Of the budget it is said that it is the one form of business plan that sets up a definite goal for the future and also provides a safeguard against future loss; it prevents over-production, over-expansion, leaks and waste. All the facts about budget control are presented.

A Bargain in Books.

An unusual bargain in books is being offered by the Union Library Association, 118 East Twenty-fifth street, New York City, and all students of American history will do well to investigate. "The American Nation: A History," is a set of 28 volumes. Each volume is written by a professor of history in a college or university of high standing, and the introduction to the set tells us, contains the result of much original research not theretofore published. The editor of the set is

Albert Bushnell Hart. It is not a new set, having been published several years ago, and is now recognized as an authoritative work. When the publishers recently decided to bring out a new edition, with the addition, we understand, of a few maps, they sold a job lot of the old sets to the Union Library Association for a small price, with the result that these few sets, which originally sold for \$56, are now available for \$18.50. The thorough index renders the contents readily available for systematic study. It is a good investment for any man interested in the history of this country, and it may not be amiss to add that the catalogue of the Union Library Association seems to indicate other possibilities for similar bargains, as, for example, the standard 10-volume "New Nature Library" for something under \$20.

American Spiral Pipe Catalogue.

The new catalogue issued by the American Spiral Pipe Works, Chicago, Ill., covers their line of forged steel pipe flanges, and in its 86 pages it covers its subject thoroughly, with complete detail. The book is free from unrelated material, but it omits nothing of practical value. It is, in fact, a handbook of valuable information for engineers, designers and fabricators of power systems, boilers, tanks and other containers. Formulas, and likewise tabulated data, are so placed as to permit quick and easy reference, and it is among the first complete publications to embody the new American Engineering Standards of 400, 600 and 900 pounds W. S. P. There is besides complete data covering existing standards. An interesting section concerning corrugated steel furnaces is included. Copies of the publication may be obtained on request sent to the company's works at Chicago.

Milwaukee Furnace Pipe Catalogue.

A new catalogue about furnace pipe and fittings has been issued by the Milwaukee Corrugating Co., Milwaukee, Wis. It also covers stovepipe and elbows and all of the information it contains is conveniently arranged for reference. Besides comprehensively describing the features of these products the book contains much data of value to stove and furnace men. Mathematical rules easy to refer to and readily applied are included and the complete standard code regulating the installation of warm air furnaces in residences is given. A series of diagrams show correct methods of installing pipe and for estimating materials. Estimate sheets, discount sheets and order blanks go with each catalogue, and copies may be had on request to the company.

A Booklet About the South.

"Recent Industrial Activity in Our South" is the title of a booklet issued by Pask & Walbridge, 14 Wall St., New York, and the sub-title is "Its Cause and Effect with Relation to Investment." The table of contents show that it covers natural resources, growth of cotton spinning, Alabama's iron industry, Southern timber reserves, fuel and power, the Monroe natural gas field, electrical development, labor, transportation, the South as a field for investment, etc. At the very beginning of the booklet is this truth: "The outstanding section in the industrial progress of the United States in the last ten years has unquestionably been the South."

New Buffalo Bolt Circular.

The Buffalo Bolt Company, North Tonawanda, N. Y., is sending out to the trade a circular in the form of an illustrated card giving data of interest in connection with two newly assorted packages of carriage bolts and nuts.

"Austin Pup" in a New Book.

A beautiful cover done in rich colors distinguishes a book bearing the title "The Austin Pup," and issued by the Austin Western Road Machinery Co., 400 North Michigan Boulevard, Chicago. Particularly interesting and important is the new-style scarifier attachment which is illustrated and described on page 8 of the book. Many new uses are found for the Austin Pup, and they are listed on page 3. Sundry pictures show the machine at work on different jobs.

Handbook of Mechanical Rubber Goods.

The "Handbook of Goodyear Mechanical Rubber Goods" has been issued by the Good-year Tire & Rubber Co., Akron, Ohio. This is a finely printed, beautifully illustrated and comprehensive publication of 164 pages, cataloguing, describing and picturing all of the great variety of mechanical rubber goods produced by these manufacturers. Full particulars concerning each kind are given, with tables of data where they are required. Much valuable information is conveyed to the reader as to the use and care of products. The book is strongly bound and its dimensions are such that it can be readily carried and consulted.

American Manganese Steel Folder.

The American Manganese Steel Company, Incorporated, Chicago Heights, Ill., have issued a folder-circular containing a list of practically all of the various applications of manganese steel so far as they have been developed, and also a tabloid exposition of the character and peculiarities of manganese steel. The list of applications of manganese steel castings is alphabetically arranged and covers two full pages. Practically every industrial plant will find information of value in it. None the less useful are the questions and answers concerning the character of this steel, how it may be treated in a forge or mill, etc.

"Simplex" Track Jack Attachment.

A simple, practical way to increase the usefulness of a track jack is by the use of the attachable "Simplex" tie-spacing shoe, which is illustrated and described in Folder No. 125 issued by Templeton, Kennedy & Co. of Chicago, Ill., manufacturers of the "Simplex" jacks for railroads, contractors and others. It is stated that with this device any number of successive ties can be straightened by cribbing out in front of the first tie only. Besides, no damage whatever is done to the ties, such as might be experienced when they are driven into position with sledge hammers. There is also great saving of time.

Newark Wire Cloth Catalogue.

A new 64-page catalogue, No. 25, has been published by the Newark Wire Cloth Company, 351-365 Verona Ave., Newark, N. J. It includes complete information with list prices on double-crimped heavy steel wire screen, regular coal screens, steel wire cloth, bran duster grade of cloth, tinned mill screen cloth; brass, copper and bronze wire cloth, market grade brass and copper wire cloth, and extra fine phosphor bronze wire cloth. It also illustrates and explains in detail several grades of the Newark metallic filter cloth, which was originated and developed by this company and is now used all over the world. The uses of Monel metal are also discussed in detail with a list of sizes of Monel metal wire cloth carried in stock. Sundry other products of this factory are described comprehensively. The company will furnish a copy of the catalogue to anyone on request.

Novo Engine Company Bulletin.

Number 3 of Volume 7 of "Novo Power," which is published by the Novo Engine Company, Lansing, Mich., is abundant with facts relating to one type of the Novo industrial hoists; a diaphragm trailer mounted pump; and a large capacity pump for contractors; besides the standardization of Novo engines. There are seven types of the Novo hoists, although but one is described in this bulletin, which is entertainingly and instructively written besides being illustrated in a superior style.

Electric Light and Power Data Book.

Bonbright & Company, Inc., 25 Nassau St., New York, have issued a complete and very valuable "Data Book of Electric Light & Power Facts" which has been prepared for use in conjunction with "The Bonbright Prize," which consists of \$20,000 to be given for the best articles on the development of the electric light and power industry during the period 1920-1930. The competition is in two parts—\$10,000 to be distributed to the authors of the best articles as they now appear to the judges, and \$10,000 offered by the American Superpower Corporation to be awarded in 1930 to the author of the paper which then shall seem to be most accurate as to facts that have been developed. Copies of the booklet may be obtained from Van H. Cartmell, at Bonbright & Company's offices.

"Endural" Endless Steel Belts.

A folder issued by the Power Engineering Co., Youngstown, Ohio, describes and illustrates their "Endural" endless steel belts, power transmission drives and conveyors which, it is stated, are manufactured from the highest quality alloy steels in the company's own mills and are rustless and stainless. Furthermore, it is remarked that they are not affected by either high or low temperatures, by oil, moisture, acids or atmospheric conditions, and, in addition to these characteristics, "they deliver to the driven shafts 5 to 10 per cent more power than the average of other belts," it is claimed. These belts when used for conveying food products, it is said, meet the demands of engineers and health inspectors.

Book Review.

Chemistry in Industry; A Co-operative Work
Edited by H. E. Howe. New York: The Chemical Foundation, Inc.

The object of this book is to give examples of the contributions made to industry by chemistry. Its first chapter deals with the foundations of chemical industry and the others take up successively different industries in which chemistry plays a prominent part. Thus there are discussed abrasives; alcohol and some other solvents; coal, coke and their products; cotton and cotton products; chemistry in the electrical industry; some applications of electro-chemistry; chemistry in the fertilizer industry; industrial gases; glass; elements of iron and steel manufacture; making of leather; non-ferrous metallurgy; chemistry of packing-house processes; chemistry in the pulp and paper industry; perfumes and flavors; the petroleum industry; photography; synthetic resin; chemistry in the rubber industry; and chemistry in the textile industry. Necesarily, only a few of the industries that might be represented are included in the volume for, as the editor remarks, if all industries that deserve a place therein were accorded chapters a whole set of books would have been required to give the history of industrial development. But, as it is, the one book is exceedingly valuable, comprehensive and interesting.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

York Ice and Refrigerating Installations.

During the period from February 24 to April 17 the York Manufacturing Co., of York, Pa., made 329 sales and installations of their ice-making and refrigerating machinery through the country, including 88 in the South at various places as follows: Winnsboro, S. C.; Petersburg, Va.; Miami, Fla.; Anniston, Ala.; Shelby, N. C.; Mount Pleasant, N. C.; New Llano, La.; Thomaston, Ga.; Ballinger, Tex.; San Angelo, Tex.; Madisonville, Ky.; Joplin, Mo.; Columbia, Mo.; Richmond, Va.; Vernon, Tex.; Poplar Bluff, Mo.; New Orleans, La.; Golden Meadows, La.; St. Louis, Mo.; Kilday, Ky.; Helena, Ark.; Alexandria, La.; Ranger, Tex.; Louisville, Miss.; Giddings, Tex.; Port Arthur, Tex.; Glasgow, Ky.; Baltimore, Md.; Indianola, Miss.; Durant, Okla.; Ponca City, Okla.; Arkadelphia, Ark.; Sallisaw, Okla.; Fairmont, W. Va.; Searcy, Ark.; Baton Rouge, La.; Okemah, Okla.; Newport, Ky.; El Paso, Tex.; Blackwell, Okla.; Oklahoma City, Okla.; Fort Smith, Ark.; Leland, Miss.; Elvins, Mo.; Franklin, Tenn.; Lancaster, Ky.; Tennille, Ga.; Montgomery, Ala.; Jasper, Ala.; Thomasville, Ga.; Beltsville, Md.; Cape Charles, Va.; Dillon, S. C.; San Antonio, Fla.; Hillsboro, Tex.; Dallas, Tex.; Charlottesville, Va.; Palma Ceia Park, Fla.; El Campo, Tex.; Lawton, Okla.; Jasper, Tex.; Macon, Ga.; Damascus, Va.; Bluefield, W. Va.; Washington, D. C.; Martinsburg, W. Va.; Louisville, Ky.; Olney, Tex.; Nashville, Tenn.; Paris, Tex.; Jackson, Ky.; Rogers, Ark.; Asheville, N. C.; Kanawha City, W. Va.; Huntington, W. Va.; Johnson City, Tenn., and DeLand, Fla. At several cities two or more sales were made.

Sale of Cold-Storage Plant and Equipment to Be Held.

The warehouses and equipment of the Lexington Refrigerator and Storage Corporation, opposite Lexington Market, Baltimore, Md., are to be sold at auction at 11 A. M. on May 27 on the premises, according to a formal announcement that appears elsewhere in this issue. Particulars as to the real estate and the equipment are given in the advertisement. N. B. Lobe & Co. of Baltimore are the auctioneers and Horace T. Smith is the trustee.

Navy Property to Be Sold or Leased.

Proposals will be opened on May 27 at the Central Sales Office, Navy Yard, Washington, D. C., for the sale or lease of the destroyer and submarine base at Squantum, near Boston, Mass. A catalogue has been prepared giving particulars about the property and the terms under which it may be acquired, and copies of this book may be obtained at either the Boston or the Washington Navy Yards. Full information will be found in the advertisement which appears elsewhere in this issue.

Harnischfeger Pittsburgh Branch to Move.

The Harnischfeger Corporation (formerly Pawling & Harnischfeger Co.), of Milwaukee, Wis., will remove their sales office in Pittsburgh, Pa., on May 1 from No. 57 Fidelity Building to No. 612 Farmers Bank Building, at Fifth Avenue and Wood Street. A. H. Dreyer is district manager and M. B. Bradley is sales engineer at Pittsburgh.

Whiting District Office Moved.

The Chicago district sales office of the Whiting Corporation has been moved from 945 Monadnock Block to 1502 Railway Exchange. Telephone, Harrison 1252. R. S. Hammond is the district sales manager. The headquarters of the company, who manufacture cranes, foundry equipment and railway specialties, are at Harvey, Ill., which is a suburb of Chicago.

Ambrose Company Changes Location.

The Ambrose Sand & Gravel Company, C. T. Aspelmeier, general manager, have discontinued their office at Denison, Texas, and have established the main office at Bonham, Texas, this being done, it is stated, to provide the best possible service to customers. The Denison, Bonham & New Orleans Railroad Co., whose line serves the company's gravel pits at Anthony, have leased them space in the railroad company's building and they will be in close touch with the railroad for transportation.

New Linde Air Products Offices.

The Linde Air Products Company of New York city, manufacturers and distributors of oxygen for welding and cutting, have recently opened several new district sales offices as follows: 716 First National-Soo Line Building, Minneapolis, Minn., C. E. Donegan, district sales manager; 409 Lincoln Life Building, Birmingham, Ala., W. A. K. Kopp, district sales manager; 508 Exchange National Bank Building, Tulsa, Okla., G. D. Grubb district sales manager. These offices will handle oxygen sales, the Linde process service and also the sale of Prest-o-Lite dissolved acetylene. The company has also appointed J. W. Foster as district sales manager at Baltimore; he has been a senior salesman at the Pittsburgh office.

Westinghouse Electric Changes.

The Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., has made a number of changes thus: J. S. Tritle is made general manager of the merchandising department, and his headquarters will be transferred from New York city to Mansfield, Ohio. C. E. Stephens is general manager of the New York sales office in place of A. E. Allen, who goes with the Westinghouse Lamp Co. In the power department A. H. Gansbird becomes manager of the turbine section, succeeding D. O. Tylee, transferred to the industrial division, Pittsburgh office, and P. L. Fetzer succeeds Mr. Gansbird as manager of the condenser section. J. A. Brown becomes manager of the general section, W. Lofton being transferred to the Pittsburgh central station division. F. J. Lewis succeeds B. H. Lytle as manager of the substation section, Mr. Lytle being transferred to Philadelphia. Mr. Tritle's removal to Mansfield includes the transfer thither of his entire staff as well as of headquarters, and the change is appropriate because a majority of the articles comprised in the merchandising department are produced at the Mansfield works. All engineering work will be conducted there under his supervision. Those engineers at East Pittsburgh who have been engaged on products made at Mansfield will also be transferred thither. It is a strategic point for the business.

First Textile Motors Were Installed in the South.

The first application of electric motors in the textile industry, says the General Electric Co., was made 32 years ago at the Columbia Mills, Columbia, S. C. Fourteen of these motors are still in service and but seven have been rewound. Five of them are running on their original sleeve bearings. The electrification of these mills was undertaken by the General Electric Company in April, 1894. Two 500-kilowatt, 108-R.P.M., 36-cycle generators were installed to furnish the power, the mill being located between 700 and 800 feet from the power plant. The cables were laid in a wooden trough which was filled with compound and buried in the ground. The generators are still furnishing power satisfactorily and no trouble has been experienced with the cable. The motors were also, it is stated, the first to be inverted and suspended from the ceiling, and it was the first instance where a motor shaft was extended at both ends.

Booth Speedy Heat Electric Furnaces.

"Speedy heat electric furnaces have been developed in sizes of one pound, ten pounds, 20 pounds, 60 pounds, 100 pounds, 200 pounds, 300 pounds and 500 pounds capacity and in larger sizes," says the Booth Electric Furnace Co., 411 N. Wells St., Chicago, "for the melting of both ferrous and non-ferrous metals and alloys." The smaller furnaces are particularly suitable for all kinds of experimental work both on metals and non-metallic minerals. The company makes furnaces of all sizes up to 20,000 pounds capacity. A folder which it publishes gives particulars concerning them. Referring to the use of the Booth furnaces, the company says that steel can be poured so very hot that the thinnest and most intricate castings can be satisfactorily made. The larger speedy-heat furnaces are all three-phase.

Sale of Machine Tools to Be Held.

According to a formal announcement which appears elsewhere in this issue there will be an absolute auction sale of modern machine tools, small tools, stock and equipment, etc., of the Simms Magneto Company on their premises at 275 North Arlington avenue, East Orange, N. J., on May 19, 20 and 21. It will include a large number of milling machines, screw machines, lathes of different types, tool grinders, punch presses, furnaces, shapers, tapping machines, slotters, planers, small tools in great variety, good-will, service rights and parts. Further particulars will be found in the advertisement. Samuel T. Freeman & Co. of Philadelphia and Boston are the auctioneers.

A. O. Backert.

A. O. Backert, president of the Penton Publishing Company, Cleveland, Ohio, publishers of the Iron Trade, Iron Trade Daily and several other important business publications, died suddenly on April 24. Mr. Backert had been resting in Atlantic City and was thought to be making progress toward early recovery of health and strength, but a relapse overtook him last Friday night and soon resulted fatally.

Is Now With Chemical and Vacuum Machinery Co.

H. E. Neubauer, formerly assistant chief engineer of the Buffalo Foundry & Machine Co., and later vice-president of the O. S. Sleeper Co., Inc., has become associated with the Chemical and Vacuum Machinery Co., Inc., of Buffalo, N. Y., as chief engineer.

(Continued on page 134.)

They tried them all

*—now the Pacific Fuel Co. uses
Kelly Caterpillars exclusively*

Nearly seven years ago, the Pacific Fuel Co., Tacoma, Washington, purchased a pair of Kelly Kats. How satisfactory this experiment proved to be is indicated in a recent letter from them. They write:

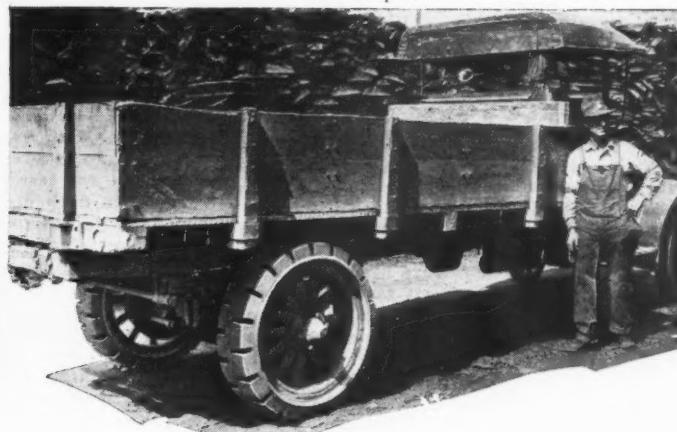
"Like the many other users of Kelly-Springfield Caterpillar tires we have had most satisfactory service in both traction and mileage.

"Our first pair was purchased December, 1918, and we found them so satisfactory that we installed them on seven trucks. We have used other tires both before and since beginning the use of Kelly-Springfield Caterpillars but now have them on all our equipment, having decided that they suit our requirements best."

Similar experiences of truck owners everywhere have made the Kelly Caterpillar probably the most widely used truck tire in the world.

**There are no Caterpillar
tires but Kelly Kats**

KELLY-SPRINGFIELD TIRE CO.
250 West 57th Street, New York, N.Y.



This truck—and every other truck in the Pacific Fuel Company's fleet—get traction without chains and get 50% more cushioning against road shocks. The reason? They have Kelly Caterpillar Tires on all four wheels.

(Continued from page 132.)

Layne-Texas Co. Digs Big Well.

A deep well, producing 1,200,000 gallons of water daily, has just been completed by the Layne-Texas Company for the city of Lufkin, Texas. This well, it is stated, is the largest in the eastern part of that state. It is 11 feet deep, and the contractors drilled 15 test holes to determine the underground water conditions before locating the well. They were able, it is further remarked, to exceed their guarantee by approximately 1,000,000 gallons.

Convention of Purchasing Agents.

The "Tenth International Purchasing Agents' Convention and Informashow" is to be held at Milwaukee, Wis., May 25 to 28, inclusive, and Jos. W. Nicholson of that city, chairman of the national publicity committee, has issued a comprehensive statement of the program and general arrangements. The principal officers of the National Association of Purchasing Agents are A. G. Hopcraft, president, Cleveland, Ohio; W. L. Chandler, secretary, New York city; Geo. C. Bestick, treasurer, Worcester, Mass.

Concrete Surfacing Machinery Co. Display.

At the Exposition of Inventions to be held in New York from April 27th to May 2d, inclusive, there will be an interesting exhibit made by the Concrete Surfacing Machinery Co. of Cincinnati, Ohio. This display will occupy Spaces 229 and 230 in the Engineering Society's Building, 25 to 33 West 39th St. The company manufactures the Berg concrete surfacer and finisher, which is a portable, electrically driven device, that, it is stated, is revolutionizing former methods of eliminating fins, board and form marks and other surface irregularities from concrete work. The machine will be exhibited in operation. Demonstrations will also be made of other Berg products.

Baltimore Tube Adds New Offices.

The Baltimore Tube Company, Inc., of Baltimore, Md., on April 1 opened a branch office at 10 S. LaSalle St., Chicago, Ill., with Homer D. Jenkins as district manager; also another branch at the Union Trust Building, Cleveland, Ohio, with W. M. Hankey as district manager. On the same date the following selling agents were likewise authorized: Higgins-Bothwell Co., 1738 Dime Bank Building, Detroit, Mich.; Dean Higgins & Co., Ohio Building, Toledo, Ohio; Dean Higgins & Co., Union Central Building, Cincinnati, Ohio. In addition to these new offices the company also has other branches and selling agents in many cities throughout this country, as well as in Canada, Cuba and South America. R. S. Stringer is sales manager.

New President of Garford Truck Co.

C. M. Allen has been elected president of the Garford Motor Truck Co., Lima, Ohio, to succeed E. R. Curtin, resigned. This change took effect April 15. A statement by the board of directors says: "When Mr. Curtin was elected president in 1924 it was with the understanding that he could serve only temporarily because of the demands made upon him by his other business connections." He will continue to be a member of the board. Mr. Allen, his successor, formerly of Elizabeth, N. J., has had a wide experience with other motor-truck companies, notably the Autocar Company of Ardmore, Pa., and it is also stated that his election marks closer co-operation between the company and important eastern financial institutions with which it has affiliations.

Southeastern Construction Co. in New Offices.

The Southeastern Construction Company, Charlotte, N. C., have just completed their own office building at 210 West Second street, in that city. This is a thoroughly modern two-story face brick, plate glass and tile front building, and the company are now occupying it having removed there from the former quarters at 129 Brevard Court.

Signal Mountain Cement Sales Manager.

James A. Hudson has been appointed in charge of the sales department of the Signal Mountain Portland Cement Co. of Chattanooga, Tenn. Mr. Hudson is well known in the cement industry. Prior to the war he was identified with the Clinchfield Portland Cement Co. in charge of the Charlotte, N. C., sales territory. He served during the war under the War Industries Board as field engineer and then went to the office of the district engineer. Before going to Chattanooga he was with the Portland Cement Association. He has a wide acquaintance in the trade and is highly regarded.

Frick Company Appointments.

The Frick Company, Waynesboro, Pa., manufacturers of machinery, have appointed C. P. Goree, Jr., to succeed A. M. Hutchinson as manager of their branch office in Atlanta, Ga., from which branch the states of Georgia, Florida, Alabama and the eastern half of Tennessee are covered in sales work. Mr. Hutchinson, it is stated, voluntarily resigned to take up lighter duties after many years of service with the company. Mr. Goree, who is a graduate of Georgia Tech. and also of Cornell University, has had long training in refrigeration work with the Frick Company, and A. B. Hoppe, a graduate of Texas A. & M. College, who has been at the Waynesboro plant for several years, has been transferred to Atlanta as sales engineer.

An Alabama Company's New Sawmill.

The Alabama Machinery & Supply Co., Montgomery, Ala., recently began the manufacture of an improved portable sawmill from designs of the late George G. Egge, who was identified with the company for many years, and who gave much study to the improvement of this class of machinery. This new machine is known as the "Bama" sawmill. In last December, one year after the death of Mr. Egge, the first of the new machines was turned out and since that time the company has been very successful in marketing them. Before being offered this new sawmill was further perfected by the addition of a fast operating one-man set appliance which has been patented by the company.

Lockwood, Greene & Co. Contracts.

Lockwood, Greene & Co., engineers, of New York and Boston, have been retained by the Company of Master Craftsmen, Inc., Fifth avenue and Forty-seventh street, New York, for complete engineering service on the construction and mechanical equipment of a furniture factory, 240 feet by 60 feet and five stories high, of reinforced concrete, to be built at Flushing, Long Island. Through the Boston office of the same engineering firm bids are being received on a new power and manufacturing building for the A. D. Ellis Mills, Inc., Monson, Mass., to be 125 by 91 feet and to contain a boiler room, dye house, engine room and wool-sorting room. It is also to be noted that construction of the four-story and basement addition to the manufacturing building of the General Radio Co., Cambridge, Mass., is nearing completion under the engineering service of the same office.

Asbestos Shingles From Brussels to Mobile.

Asbestos shingles of the American and Hexagonal types are being imported at Mobile, Ala., and distributed in car lots to Birmingham, Montgomery, Atlanta, Pensacola, Macon, Meridian, Biloxi and Gulfport, as well as to smaller places. A report from Mobile further states that since these shipments began last summer it is estimated that 450,000 pieces have been received there at an estimated sale value of \$50,000 and most of them were sent by rail to various Southern cities. The steamer Hastings recently arrived at Mobile and discharged a shipment at Turner Terminals, which ran into hundreds of tons, all of which is distributed by the Underwood Coal & Supply Co. of Mobile. These shingles are made at Brussels, Belgium, and are shipped hither from Antwerp.

A New Hagy Dump Wagon.

The James A. Hagy Wagon Company, Incorporated, Abingdon, Va., are putting on the market a new dump wagon with which they have been experimenting for more than a year, and it is now ready for sale. Concerning this latest product they say that they have used not only their experience in its design, but that they have had several of the largest road contractors to assist them, so that they might build a wagon which would stand up under the heaviest strain and "stay on the job" continually. This new addition to the company's line, which, besides dump wagons, includes farm wagons, dump carts, auto-commercial bodies, etc., is designated as "Hagy Dump Wagon No. 350."

Electric Light Convention.

The National Electric Light Association, 29 West 39th St., New York, has sent out notices to its members that the 48th convention of the association will be held from Monday, June 15, to Friday, June 19, in the Exposition Auditorium, at San Francisco, Calif. Accompanying each notice are two circulars giving complete information regarding transportation and hotel arrangements, so that members proposing to attend the convention can make reservations in good time. The program is to be announced later, but in addition to reflecting the varied activities of the organization it will embrace many outstanding features of value to the electric light industry. Franklin T. Griffith is president of the association.

Contracts to Repair Tornado Damage.

The Southern Railway Co. has let a contract to Dwight P. Robinson & Co. of New York, for restoration work to be done at Princeton, Ind., made necessary by the late tornado. Their work will include the construction of a 25-stall roundhouse of 100 feet depth. The erection of a 300-ton steel coal chute, sand-handling plant and stand-pipe will be done by Fairbanks, Morse & Co. of Chicago. Other work to be done by the Robinson organization includes repairs to sundry buildings and replacements both of structures and equipment therein. Some enlargements will also be made.

Lake City Growth Shown by Deposits.

The statement of the First National Bank of Lake City, Fla., dated April 6, reflects the growth of that place and its surrounding country by the gain in deposits, which have increased \$90,000 since the last preceding statement of December 31 last, being now much over \$648,000. Since April 6, it is stated, deposits have continued to increase in like ratio. J. C. Sheffield is president and H. W. Markham cashier. Lake City is situated 60 miles west of Jacksonville on Paved Highway No. 1, and it is also on the main paved highway leading north and south.

Power Consolidation to Involve \$1,192,000.

Blytheville, Ark.—Authority has been granted the Missouri-Arkansas Power Co., with offices in this city, to issue bonds in the amount of \$953,800 for the acquisition and improvement of several utilities in Arkansas and Missouri, the total amount involved in the deal being estimated at \$1,192,285. Plans of the company call for the acquisition of the Mammoth Spring Power Co. of Mammoth Spring, Ark., including water-power rights on Spring River, two hydro-electric plants, and distributing systems supplying Mammoth Spring, Koshkonong, Brandsville and Thayer, the three latter towns in Missouri. A 33,000-volt steel-tower transmission line from the hydro-electric plant south of Mammoth Spring to West Plains, Mo., is also included.

The company will also acquire control of the Central Power & Light Co., Walnut Ridge, Ark., embracing an electric-power plant and ice plant at Walnut Ridge, street railway between Walnut Ridge and Hoxie, electric power plants at Pocahontas, Portia, Black Rock, Imboden, Manson, Lester-ville and Shannon, and franchises for plants at Success, Datto, Reyno and Biggers which have not yet been constructed. It plans to expend \$160,000 to improve the Walnut Ridge ice plant and improve railway track, beside expending \$40,000 to install a 500-horsepower water-wheel and accessories at Mammoth Spring.

The company will also secure control of the Corning Light & Power Co. of Corning, Ark.

Bids on 2-Mile Transmission Line.

Muscle Shoals, Ala.—Bids have been invited by the United States Engineer's office at Wilson dam for the construction of a transmission line from the power house to nitrate plant No. 2, including the installation of circuit breakers and other equipment. The line will be about two miles long, of permanent construction, and will have a capacity of 100,000 kilo-volt amperes.

Concrete masonry work on the dam and switchhouse has practically been completed, and switchboard equipment is now being installed under the supervision of engineers of the General Electric Co. of Schenectady, N. Y. Other work is also in progress and it is thought that power can be delivered by July 1.

Buys Plants and Will Extend Lines.

Johnston, S. C.—The electric light and ice plant here has been purchased by the Broad River Power Co. of Columbia from the Johnston Electric Light & Ice Co., according to a recent announcement. It is also announced that the purchasing company has acquired the electric light plant at Trenton from B. J. Day, Jr., and the electric lines from Johnston to Trenton, a distance of 10 miles, from the Bouknight Electr'c Light Lines Co. It is stated that the Broad River Company plans to extend its high tension lines to Johnston and Trenton.

Contract for \$250,000 Hotel.

St. Petersburg, Fla.—General contract has been awarded to Franklin J. Mason of this city for the new \$250,000 hotel to be erected here by Nick Dennis. The building will be eight stories, 40 by 100 feet, steel frame, stone and brick exterior. F. Cunningham of Washington, D. C., is the architect, and Frank F. Johnsberg of St. Petersburg, consulting architect.

The St. Petersburg Golf Development Co. of St. Petersburg, Fla., is reported considering the erection of a \$500,000 hotel on the site of the St. Petersburg Country Club.

\$2,400,000 in Proposed Bond Issues at St. Petersburg.

The city of St. Petersburg, Fla., will vote May 26 on bond issues aggregating \$2,413,700. S. S. Martin, director of finance of St. Petersburg, advises the MANUFACTURERS RECORD that \$375,000 will be used for waterfront improvements and terracing city property. The improvements will involve the construction of a seawall, dredging, sewer extensions and sidewalks, and creating a yacht basin.

An issue of \$118,700 will be used for waterfront improvements at another point, these to include seawall, filling and sewer extensions, while \$195,000 will be used to beautify parks and parkways from Baywood Park to Fifth avenue South and city property in front of Rouslyn subdivision, and \$55,000 to beautify a proposed park extending from Thirteenth avenue North to Coffee Pot Bayou. One million dollars will be devoted to the construction of the proposed municipal pier and \$490,000 for opening First avenue from Capac street to 9th street. An issue of \$180,000 will be used for widening and deepening Booker Creek from 9th street to Bayboro harbor and for the reconstruction of walls and sidewalks with storm-sewer connections.

Jackson Will Vote on \$400,000 Bonds.

Jackson, Miss.—An election will be held in this city on May 16 on a bond issue of \$400,000 for municipal improvements, including water-works improvements, sanitary sewer extensions, opening, widening and improving streets and for improving and enlarging public buildings. J. Hunter Taylor, W. A. Montgomery and Tom Reddington are election commissioners.

Chattanooga Bonds Bring High Premium.

Chattanooga, Tenn.—Bonds in the amount of \$855,000 have been sold by the city of Chattanooga at a premium of \$51,401. Caldwell & Co. of Nashville, on a combined bid with the Harris Trust and Savings Bank of Chicago, were the purchasers of \$500,000 of suburban improvement bonds and \$260,000 of school bonds, while an issue of \$95,000 of paving bonds was sold to Eldredge & Co. of New York.

Jefferson County to Sell \$2,500,000 Bonds.

Birmingham, Ala.—Three bond issues aggregating \$2,500,000 will be sold on May 5 by the Jefferson County Board of Revenue, of which Capt. Lacey Edmondson is president. These bonds will include an issue of \$1,500,000 for a new courthouse, \$500,000 for county schools and \$500,000 for an addition to Hillman Hospital.

Miami Beach to Sell \$939,000 of Bonds.

Miami Beach, Fla.—According to an announcement by C. W. Tomlinson, city clerk, Miami Beach will sell on May 15 \$939,000 of municipal bonds for public improvements during the summer. It is thought also that another issue of a smaller amount will be sold before the end of the summer.

Mississippi Power Company Acquires Utilities.

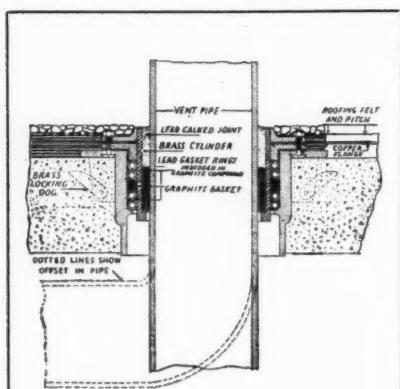
Hattiesburg, Miss.—Formal transfer of the properties of the Hattiesburg Traction Co. and the Meridian Light & Railway Co. to the Mississippi Power Co. is expected to be completed soon, according to an announcement by Barney Eaton, president of the purchasing company. The Mississippi Power Co. has also acquired the Columbia Ice & Power Co. of Columbia, Miss., and will operate all of these properties in connection with the hydro-electric plants in Alabama of the Alabama Power Co. of Birmingham.



Architect to owners

"This Barrett Specification Roof is off your mind. There will be no maintenance expense, no worries."

Your responsibility definitely underwritten



Cross section of Type 6-V as used with vent stack on concrete roof. If a roof is less than three inches in thickness, sliding lockcollar is furnished in place of locking dogs as shown.

No matter what kind of roof it is—slag, gravel, tile, metal, flat, or steep, new or old—Holt Roof Connections will give you sure satisfaction.

The Holt air-tight, water-tight expansion joint corrects all the defects found in rigid and loose-joint connections. The drain-pipe will not leak if the water ever backs up.

Type 6-V Holt Roof Connection, illustrated above, is used for soil and waste vent-stacks, steam-stacks, flag-poles, roof tank supports and supply pipes, electric light signs, or any similar fixtures carried through the roof deck and requiring a roof flashing device.

Full details of the 6 types of Holt Roof Connections are found in the Holt Connection booklet. Send to The Barrett Company for your free copy today.

Years after the last workman walks off the job, the materials specified must still be rendering complaint-free service. There must be no come-backs, no complaints. *** And this is probably the main reason why the majority of the permanent buildings in the United States are protected by Barrett Specification Roofs.

When a roof is built according to The Barrett Specification, you receive a Surety Bond guaranteeing you against repair or maintenance expense for twenty years.

Because experience has proved that Barrett Specification Roofs far outlast the guaranteed period, we are able to bond them against all repair or maintenance expense for

twenty years.

Whether you want a roof constructed according to The Barrett Specification or your specifications—

Whether you want a roof for a new or old building—

Three-quarters of a century's experience—the experience of the leading architects, engineers and contractors—has proved that it pays to see that any built-up roof is a pitch-and-felt roof—and that both pitch and felt bear the Barrett Label.

A Valuable Service—Free!

Without charge or obligation a Barrett Service Man will inspect your roofs. He will render an unprejudiced report on their condition and explain upkeep methods that often save expensive repairs.

This free inspection service is offered to owners of buildings with roof areas of fifty squares (5,000 square feet) or more. Address Inspection Service.

THE BARRETT COMPANY
40 Rector Street, New York City

IN CANADA:
The Barrett Company, Limited
2021 St. Hubert Street, Montreal, Quebec, Canada

Barrett
ROOFINGS

BARRETT SPECIFICATION ROOFS AND BARRETT SHINGLES

We Welcome You

To The

SOUTHERN EXPOSITION

Grand Central Palace, New York City

May 11-23

The Southern Exposition is of the South, by the South, and for the South.

It is a cooperative undertaking to assemble in New York—the nation's financial center—evidences of the resources, the achievements and the opportunities in the Southern States.

Here will be found exhibits from states, municipalities, manufacturers, chambers of commerce, railroads, power companies, real estate developments, and many representative business companies, who will show and tell of the truly amazing progress which the South has made and what it offers for investment and development.

Great good will be accomplished by bringing the South in direct contact with the financial and business leaders of the country's greatest city.

This Exposition was made possible through the cooperative efforts of many of the South's outstanding business leaders, and they or their representatives will be on hand to welcome you.

TWO WEEKS
May 11th to 23rd

SOUTHERN EXPOSITION

Where Do You Buy?

MANY companies are greatly handicapped in purchasing in primary markets abroad, and in some cases are entirely discouraged, because they lack knowledge of foreign credits and business practices.

Our Company is experienced in international banking, having engaged in financing foreign business for over sixty years.

This long experience assures our clients of careful and intelligent co-operation at this end, while our dependable bank correspondents abroad place at our disposal their intimate knowledge of local conditions and methods.

We invite the business of reliable companies.



Bank of New York & Trust Company

Capital, Surplus and Undivided Profits
over \$16,000,000

NEW YORK, N. Y.

Maybe This Bank Is Different From Others

Its policy is pleasing 16,000 customers who are its friends. Address us in regard to your financial requirements.

BALTIMORE COMMERCIAL BANK

GWYNN CROWTHER, President

Pratt Street and Market Place, Baltimore, Md.

Capital and Surplus \$1,000,000.00 Member Federal Reserve System

W. J. BALDWIN, Director of Publicity, Alabama Power Company, writing about

"THE SOUTH'S DEVELOPMENT"

a special publication issued by the Manufacturers Record, says

"It contains the most concise, comprehensive and convincing story of the new South that has ever been brought to my attention. 'The South's Development' is a splendidly edited volume, and will not only make interesting but very valuable reading for reference purposes."

FOURTH NATIONAL BANK MACON, GA.

In close touch with all of Georgia, offers its aid to those interested in that State.

MARYLAND TRUST COMPANY

BALTIMORE

Transacts a General Trust and Banking Business

Correspondence and interviews invited

CAPITAL, \$1,000,000

ENTIRE BOND ISSUES OF SUCCESSFUL INDUSTRIALS PURCHASED

Offerings Invited

Resources - - - - - \$21,000,000

Established 1884

Mercantile Trust and Deposit Co. OF BALTIMORE

A. H. S. POST, President. F. G. BOYCE, JR., Vice President.

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

Electric Bond and Share Company

(Incorporated in 1905)

Paid-up Capital and Surplus, \$70,000,000

71 Broadway

New York

LOANS TO STATES, COUNTIES AND CITIES

Municipal Bonds

EYER & CO.

Established 1907

Correspondence Invited

57 William Street

New York City

We Buy Bonds

City, County, School and Road from Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI

OHIO

REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

MARX AND CO.

Brown-Marx Bldg.

Birmingham, Ala.

RAILROAD, PUBLIC UTILITY and INDUSTRIAL BONDS

Entire Issues Bought

ROGER B. WILLIAMS, Jr. & CO.
Investments Bonds

67 Wall Street

New York

WE BUY MUNICIPAL BONDS

We are interested in the purchase of Southern Municipals including road, school, county, drainage and levee bonds.

M. W. ELKINS & CO.

Southern Trust Bldg.

Little Rock, Ark.

Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

A.C. ALLYN AND COMPANY

71 W. Monroe St., Chicago, Ill.
New York Milwaukee Minneapolis Boston

Attention

Architects, Contractors, Real Estate Dealers

Do your clients need financing? We have five million dollars to lend—

We lend on Office Buildings, Commercial Property, Religious Institutions, Hospitals and Sanitariums, Hotel and Apartment Buildings, Timberlands, Farmlands.

Best possible terms. Full particulars upon request.

Mortgage & Securities Company

Canal and Camp Streets - - NEW ORLEANS
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STATE—COUNTY—CITY

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CURTIS & SANGER
49 Wall Street - NEW YORK

YOUNG & SELDEN COMPANY

MANUFACTURING

Bank and Commercial Stationers

BALTIMORE, MD.

GEORGE H. BURR & COMPANY

120 Broadway
NEW YORK

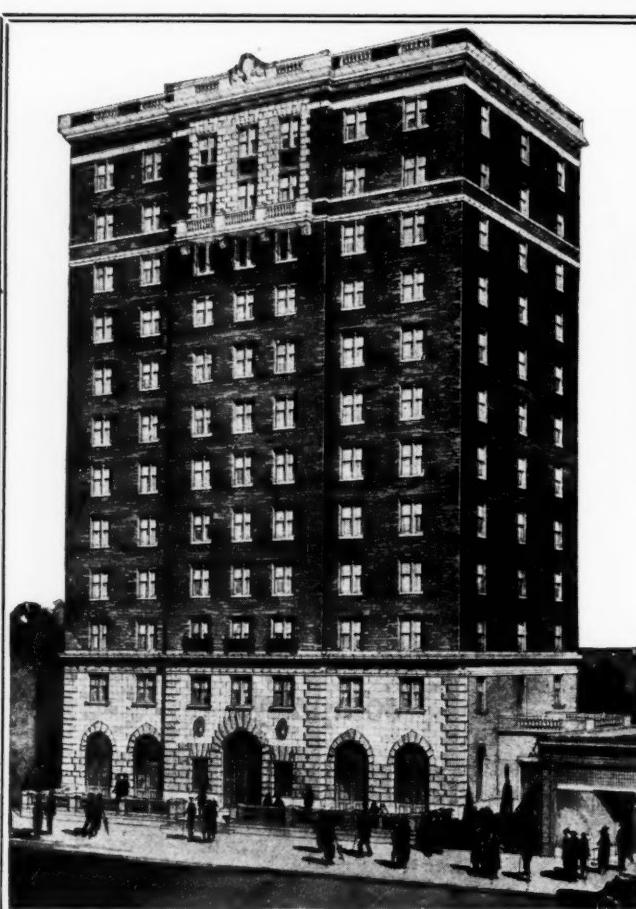
Commercial Paper Foreign Exchange
Investment Securities

Finance Industrial and Public Utility Enterprises through issues of Bonds and Stocks.
Purchase and sell original issues of Municipal Bonds and Tax Anticipation Notes.

Correspondence invited.

Offices:
Chicago Boston St. Louis Philadelphia
Hartford Hartford Minneapolis

Affiliated with George H. Burr-Conrad & Broom, Inc.
San Francisco Portland Seattle Los Angeles



COBURN

METAL DOORS

are being installed throughout the \$750,000 Carlton Apartment House now being built at Atlanta, Ga. The building is of modern construction designed to include all up-to-date equipment in which the COBURN metal doors play an important part. Pringle & Smith are the architects, and the Foundation Company the contractors.

We are manufacturers of Sliding Door Hangers, Rolling Ladders, Overhead Carrying Apparatus, Standard Fire Proof Doors, Jambs and Trim. We will gladly furnish illustrated catalogue upon request.

**THE COBURN TROLLEY TRACK MFG. CO.
HOLYOKE, MASS.**

*Southern Representative
LUKE SEAWELL, ATLANTA, GA.*

An investigation
will show
that

COLUMBUS GEORGIA

A good supply of excellent native white labor is available.

Raw materials are near at hand and there are adequate Shipping Facilities.

Building Costs, Taxes and Living Expenses are low. There are Good Schools, Good Roads and a splendid mild healthful Climate.

Possesses what you need
for the profitable opera-
tion of industry



This section is particularly well adapted to the Textile Industry.

Numerous excellent Factory Sites are available on our 70-Mile Power Transmission Line up the Chattahoochee Valley.

A line to our Commercial Department will bring you the story in brief form by return mail.

R. M. Harding, *Mgr.*
G. K. Hutchins, *Sales Mgr.*
General Offices 1151 Broad Street
Columbus, Georgia

Under Executive Management of
STONE & WEBSTER, Inc.
Boston—New York—Chicago

— PROPOSALS —

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS

Bids close May 19, 1925.

Sealed proposals will be received at the office of the General Treasurer, National Home for Disabled Volunteer Soldiers, until 12 o'clock M. (central standard time) May 19, 1925, and then opened, for furnishing and delivering supplies (clothing, chinaware, bedding, stationery, etc.), for the year ending June 30, 1926. Copies of instructions and specifications can be had upon application to C. W. Wadsworth, General Treasurer, National Military Home, Dayton, Ohio.

Bids close May 26, 1925.

SEALED PROPOSALS marked "Proposal for Mess and Kitchen Building and Garage and Fire Department Building" will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11:00 A. M. May 26, 1925, and then and there publicly opened for the construction complete of one Mess and Kitchen Building and one Garage and Fire Department Building at U. S. Veterans' Hospital No. 63, Lake City, Florida. This work will include reinforced concrete construction, hollow tile, metal lathing, built-up roofing, roof ventilators, marble work, iron work, plastering, carpentry, insect screens, hand power lift, hardware, painting, glazing, plumbing, heating and electrical work and outside service connections. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards, the records of bidders for expedition and for satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C., or from the Superintendent of Construction at the above mentioned hospital. Deposit with application of a check or postal money order for \$25 payable to the TREASURER OF THE UNITED STATES is required as security for safe return of the drawings and specifications within ten days after date of opening proposals. FRANK T. HINES, Director.

April 25, 1925.

Bids close May 18, 1925.

\$150,000 6% Bonds

Moore Haven, Fla.

Sealed bids will be received by the Board of County Commissioners of Glades County, Florida, at the office of the Clerk of said Board, Moore Haven, Florida, until 2 o'clock P. M. May 18, 1925, for \$150,000 COURTHOUSE AND COURTHOUSE EQUIPMENT BONDS.

Said bonds are dated July 1; are of the denomination of \$1000 each, and are due and payable July 1, 1935, and each and every year thereafter up to and including July 1, 1955.

The principal and semi-annual interest at six per centum, payable January 1 and July 1, at THE HANOVER NATIONAL BANK in the City of New York.

The said Board of Commissioners shall have the right to reject any and all bids. All bids must be accompanied by a certified check on a well-known and responsible bank in the sum of \$2000, and be made payable to J. H. Peebles, Chairman of said Board, as security that the bidder will comply with the terms of his bid.

Address all bids to Board of County Commissioners Glades County, Florida, care N. S. Wainwright, Clerk, Moore Haven, Florida.

Done by order of the Board of County Commissioners of Glades County this 16th day of April, A. D. 1925.

(Seal) N. S. WAINWRIGHT, Clerk.

RATE: 35 cents per line per insertion.**PUBLICATION DAY:** Thursday.**FORMS CLOSE** 4 P. M. Monday.**DAY LETTER:** When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.**THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:**

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close May 7, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., April 9, 1925. **SEALED PROPOSALS** will be opened in this office at 3 P. M. May 7, 1925, for the construction, including mechanical equipment, of a one-story brick and tile non-fireproof Post Office building (approximately 62 by 64 feet) at Thomasville, N. C. Drawings and specifications may be obtained from the Custodian of the site at Thomasville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close May 12, 1925.

Highway Construction

STATE OF MARYLAND.
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS.

Baltimore, Md.

Sealed proposals for building nine sections of State Highway as follows:
Baltimore County, Cont. B-12 C—One section of State Highway through Catonsville, for a distance of 0.39 miles.
(Sheet Asphalt.)

Baltimore City, Cont. BC-54—One section of State Highway along Gwynn's Falls Parkway from Poplar Grove to Denison Street, a distance of 0.43 miles. (Sheet Asphalt.)

Prince George's County, Cont. P-57—One section of State Highway from Laurel toward Bowie, for a distance of 2.0 miles. (Gravel.)

St. Mary's County, Cont. SM-33—One section of State Highway from Leonardtown toward Beauvue, for a distance of 1.5 miles. (Gravel.)

Frederick County, Cont. F-5-A—One section of State Highway from Frederick to Braddock Heights, a distance of 4.25 miles. (Concrete Shoulders.)

Howard County, Cont. 0260-A—One section of State Highway along the Ridgeville-Washington Road from Ridgeville to the Montgomery County Line, a distance of 2.0 miles. (Concrete Shoulders.)

Montgomery County, Cont. M-3-A—One section of State Highway from Rockville to Norbeck for a distance of 4.75 miles. (Concrete Shoulders.)

Talbot County, Cont. T-2-A—One section of State Highway from Easton toward Centerville, for a distance of 4.5 miles. (Concrete Shoulders.)

Wicomico County, Cont. WI-6-A—One section of State Highway from Salisbury toward Berlin, for a distance of 8.0 miles. (Concrete Shoulders.)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 5th day of May, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 22nd day of April, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close May 5, 1925.

Highway Construction

DEPARTMENT OF PUBLIC WORKS.
STATE OF MARYLAND.
STATE ROADS COMMISSION.
NOTICE TO CONTRACTORS.

Baltimore, Md.

Sealed proposals for building nine sections of State Highway as follows:
Howard County, Cont. Ho-45—One section of State Highway from end of Cont. Ho-31 to Simpsonville and from end of Cont. Ho-31 to Dayton, a distance of 2.0 miles. (Concrete.)

Baltimore City, Cont. BC-53—One section of State Highway along Milton avenue from McElroy street to North avenue, a distance of 0.52 mile. (Sheet Asphalt.)

St. Mary's County, Cont. SM-34—One section of State Highway from Pearson toward Cedar Point for a distance of 1.25 miles. (Gravel.)

Wicomico County, Cont. WI-27—One section of State Highway along Main street, Salisbury Extended, for a distance of 1.44 miles. (Concrete.)

Carroll County, Cont. CI-21-A—One section of State Highway from Reisterstown to Westminster, a distance of 11.25 miles. (Concrete Shoulders.)

Prince George County, Cont. P-12-A—One section of State Highway from the D. C. Line to Camp Springs, a distance of 4.75 miles. (Concrete Shoulders.)

Anne Arundel County, Cont. AB-1-A—One section of State Highway along the Annapolis Boulevard from Brooklyn to the Mountain Road for a distance of 8.5 miles. (Concrete Shoulders.)

Dorchester County, Cont. D-6-A—One section of State Highway from Cambridge to Mt. Holly for a distance of 1.64 miles. (Concrete Shoulders.)

Worcester County, Cont. Wo-5-A—One section of State Highway from Berlin to Ocean City, a distance of 8.2 miles. (Concrete Shoulders.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 5th day of May, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 17th day of April, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

PROPOSALS

Manufacturers Record

Bids close May 5, 1925.

TREASURY DEPARTMENT, Supervising Architect's office, Washington, D. C., April 7, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. May 5, 1925, for two new toilet rooms, etc. in the U. S. Marine Hospital, Mobile, Ala. Drawings and specifications may be obtained from the Officer in Charge or from this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close May 12, 1925.

Road Construction

Clearwater, Fla.

Sealed proposals will be received by the Board of County Commissioners of Pinellas County at the Courthouse, Clearwater, Fla., up until 11 o'clock A. M. Tuesday, May 12, 1925, at which time they will be opened and read publicly, for the furnishing of the necessary materials, equipment, tools and labor for the construction of roads No. 1 to 7, inclusive, in Special Road and Bridge District No. 11, in the vicinity of St. Petersburg, Fla.

The work to be done shall include the construction of a paving surface, with all incidental work preliminary thereto, of vitrified brick with asphalt filler, or asphalt block with asphalt filler, on a 4-inch compacted lime-rock base, with a 4x12 concrete curb or Portland Cement concrete pavement as alternate types of construction on roads Nos. 1, 2, 3, 4, 5 and 6 and one of either of the above alternate types of pavement or double surface-treatment on a compacted lime-rock base, using refined tar on road 7.

The completed work will include the following approximate quantities:

81 acres clearing and grubbing.
85,300 cu. yds. regular excavation.
245,900 lin. ft. of 4-inch x 12-inch concrete curb.
218,900 sq. yds. of 4-inch compacted lime-rock base.
218,900 sq. yds. of wearing surface of the above alternate types.
143 cu. yds. class "A" concrete.
163 cu. yds. class "B" concrete.
13,086 lbs. reinforcing steel.
8700 cu. yds. of old rock-base excavation.

448 lin. ft. 15-inch pipe.
384 lin. ft. 18-inch pipe.
512 lin. ft. 24-inch pipe.
32 lin. ft. 30-inch pipe.
64 lin. ft. 36-inch pipe.
64 lin. ft. 48-inch pipe.
300 lin. ft. of wood foundation piles.

Drain pipe to be of either vitrified clay, reinforced concrete or spiral cast-iron pipe.

Bids will be considered on any single project or on the combined projects as a whole, and the right is reserved to award the contract separately or as a whole as the county considers to its best interests.

All work done and materials furnished shall be in accordance with the provisions of the plans and specifications therefor on file in the office of the County Engineer, Courthouse Building, Clearwater, Fla.

Plans and specifications may be examined at the office of the County Engineer, Courthouse Building, Clearwater, or may be secured upon payment of \$10, drawn to the order of K. B. O'Quinn, Clerk, which will be refunded upon return of said plans and specifications in good condition within 15 days from date of opening proposals or to bona fide bidders.

All proposals shall be accompanied by a certified check on a Pinellas County bank, drawn to the order of Pinellas County, E. H. Beckett, Chairman, in the sum of 3% of the amount of proposal, accompanied by same up to \$15,000, which is the maximum amount required to cover proposals submitted on the entire work.

A contract bond in the sum of 50% of the amount of the contract, executed by a resident agent now doing business in Pinellas County and representing a surety company authorized to do business in the State of Florida and otherwise acceptable to the county, will be required.

The county reserves the right to select the type of pavement for any single project and reject any or all bids.

BOARD OF COUNTY COMMISSIONERS
PINELLAS COUNTY, FLA.
(SEAL)

By E. H. BECKETT, Chairman
C. E. BURLESON, County Engineer.
Attest: K. B. O'QUINN, Clerk.

Bids close May 15, 1925.

Road Construction

Fayetteville, W. Va.

Sealed proposals will be received by the County Court of Fayette County, W. Va., at the Courthouse in Fayetteville until 10 o'clock A. M., on the 15th day of May, 1925, and opened and read immediately thereafter, for the construction of the following section of County District Road:

Project K 50—8 miles of the Kincaid to Kingston Road, in Kanawha District, for paving with Bituminous Macadam. Certified check \$5000.

Proposals will be received only upon standard forms in accordance with plans, specifications and estimates of quantities therefore, which standard forms, plans, specifications and estimates of quantities may be obtained from the County Road Engineer at Fayetteville, W. Va.

Each proposal must be accompanied by a certified check in the amount specified.

The right is reserved to reject any and all proposals.

COUNTY COURT OF FAYETTE COUNTY

By THOMAS BOONE, Clerk.

Bids close May 12, 1925.

Road Construction

OFFICE OF THE STATE ROAD DEPARTMENT.

Tallahassee, Fla., April 14, 1925.

Sealed bids will be received at this office until 12 o'clock noon on the 12th day of May, 1925, for the construction of the following sections of roads:

Project No. 607-B, Road No. 13, Clay County, from Bradford County Line to Maxville, approximately (6.68) miles in length. Work to consist of construction on 8-inch Florida Lime Rock Base on the prepared subgrade.

Project No. 617, Road No. 5, Alachua County, from High Springs to the High Springs-Newberry District Line, approximately 5.17 miles in length.

Project No. 618, Road No. 5, Alachua County, from High Springs-Newberry District Line to the Newberry-Archer District Line, approximately 10.89 miles in length. Work on Projects 617 and 618 to consist of Clearing, Grubbing, Grading and the construction of the necessary Drainage Structures.

Project No. 628, Road No. 3, Volusia County, from the DeLand-Orange City District Line to St. John's River, approximately 9.92 miles in length. Work to consist of the construction of an 8-inch Florida Lime Rock Base upon the prepared subgrade.

Project No. 629, Road No. 8, Highlands County, from Lake Annie-Six Miles East. Work to consist of the construction of a 6-inch loose measurement Florida Lime Rock Base upon the prepared subgrade.

Project No. 647, Road No. 8, from Six Miles East of Lake Annie to Project 630, a distance of approximately 7.0 miles. Work to consist of the construction of a 9-inch loose measurement Florida Lime Rock Base upon the prepared subgrade.

Project No. 638, Road No. 1, Santa Rosa County, from the Blackwater River Bridge to the Brick Pavement, a distance of approximately 0.34 miles. Work to consist of the construction of earth embankment containing approximately 20,000 cubic yards of material.

Project No. 661, Road No. 2-A, Lake County, from Leesburg to Helena Run, approximately 3.52 miles in length. Work to consist of the Clearing, Grubbing, Grading, Drainage Structures, and alternate bids will be received on the following types of pavement: Bituminous Macadam, Sheet Asphalt, Asphaltic Concrete and Brick on a Florida Lime Rock Base, with and without a concrete flush curb.

All work to be done in accordance with plans and specifications of the State Road Department.

A certified check or bidder's bond, made payable to the Chairman of the State Road Department, in the sum of five (5%) per cent of the amount bid must accompany each proposal.

Plans may be examined at this office or at the office of the Division Engineer, or may be obtained upon application to this office for the sum of \$5.00 each, which amount will be refunded if the plans are returned in good condition by a bona fide bidder within 10 days after bids have been received.

The right is reserved to reject any or all bids and to award projects 629 and 647 in one contract.

H. B. PHILLIPS, Chairman
J. L. CRESAP, State Highway Engineer.

Bids close May 18, 1925.

Street Paving

St. Petersburg, Fla.

Sealed bids will be received by the Director of Finance of the City of St. Petersburg, Fla., until 7:30 P. M. May 18, 1925, for paving approximately 741,466 sq. yds. No. 1 Brick or Asphalt Block; approx. 94,955 sq. yds. No. 1 Brick for widening, together with 75,090 sq. yds. Relay Brick and 60,920 lin. ft. Reset Curb; approx. 37,376 sq. yds. No. 2 Brick; approx. 530,224 lin. ft. granite curb and approx. 221,714 cu. yds. excavation. Bids must be sealed and marked "Bid on Paving."

The City reserves the right to reject any or all bids.

Further information on application.
S. S. MARTIN,
Director of Finance.

Bids close May 5, 1925.

Paving

Baton Rouge, La.

Sealed bids will be received by the Commission Council of Baton Rouge, La., at the office of the Mayor, City Hall, until 11 o'clock A. M. Tuesday, May 5, 1925, for paving forty-three streets.

Bids will be received upon Warrenite Bitulithic, sheet asphalt and asphaltic concrete paving on concrete base.

APPROXIMATE QUANTITIES.
128,000 sq. yds. Surfacing and Base.
40,000 cu. yds. Excavation.
18,200 lin. ft. Pipe.
290 Catch Basins.
92,593 lin. ft. Curb and Gutter.
17 Manholes.

Plans and specifications are on file in the office of the Consulting Engineer, City Hall. Copies of same may be obtained upon payment of \$15, which will not be returned. A certified check for five (5%) per cent of amount bid, payable to the Commissioner of Finance, Baton Rouge, shall accompany each bid.

The right is reserved to reject any and all bids.

J. W. BILLINGSLEY,
Consulting Engineer.

Bids close May 8, 1925.

Water-Works and Sewer Material

Sealed bids will be received at the office of the Mayor, Gibson, N. C., until 2 P. M. May 8, 1925, for furnishing the following material and equipment for construction of Water Works and Sewer Systems:

1 50 G.P.M. Deep Well Pump.
1 5 H.P. 220 V., 1200 R.P.M. Slip Ring Motor.
2 3 K.W. 2200-220 Volt Transformers.
1 100,000 Gallon Steel Tank on 75-ft. Tower.
1,350 ft. 8-in. B&S Pipe, Class B or equal.
6,125 ft. 6-in. B&S Pipe, Class B or equal.
24 ft. 10-in. B&S Pipe, Class A or equal.
3 Tons Cast-Iron Fittings.
8,100 Ft. 1½-in. Galvanized Pipe.
160 1½-in. x ¾-in. Galvanized Crosses.
5 1¼-in. Galvanized Tees.
320 ¾-in. Black Plugs.
10 1½-in. Black Plugs.
16 Std. 2-way Hydrants, 6-in. bell, 3-ft. ditch.
4 8-in. H.E. Gate Valves and Boxes.
6 6-in. H.E. Gate Valves and Boxes.
10 1½-in. Sed. Gate Valves.
10 Valve Boxes for 1½-in. Valves.
400 Ft. 6-in. Sewer Pipe.
1,570 Ft. 8-in. Sewer Pipe.
2,175 Ft. 10-in. Sewer Pipe.
2,530 Ft. 15-in. Sewer Pipe.
Necessary Sewer Pipe Specials.
2 5-in. Automatic Flush Tank Siphons.
160 Bbls. Portland Cement.
100 Tons Washed Gravel or Crushed Stone.
30 Cu. yds. Concrete Sand.
20 Cu. yds. Building Sand.
22,000 All Hard Common Brick.
16 Standard Manhole Rings and Covers.
1 Light Manhole Ring and Cover.
65 Manhole Steps.
8,000 Lbs. Virgin Pig Lead.
400 Lbs. Oiled Jute.
600 Lbs. Dry Jute.
All bids should show unit prices f. o. b. Gibson, N. C., also state terms and give definite promise of shipment.

Specifications will be furnished upon application to J. B. McCrary Engineering Corporation, Atlanta, Ga.

The town reserves the right to reject any and all bids.

TOWN OF GIBSON, NORTH CAROLINA.

W. F. LOVIN, Mayor.
L. T. GIBSON, Clerk.
J. B. McCRARY ENGINEERING CORP.,
Construction Engineers,
Atlanta, Georgia.

Bids close May 12, 1925.

Water Mains

Magnolia, Ark.

Sealed bids will be received by the Board of Commissioners of Water Improvement District No. 1 of Magnolia, Arkansas, up to 2 P. M. of the 12th day of May, 1925, for the furnishing of all material and labor required in the extension of water mains, the approximate quantities of which are as follows:

PIPE LAID.	
8,592 lin. ft.	6 in. C. I. Pipe.
32,702 lin. ft.	4 in. C. I. Pipe.
480 lin. ft.	4 in. C. I. Pipe, relaid.
10,550 lin. ft.	2 in. G. W. I. Pipe.
21,620 lbs.	C. I. Specials.
120 G. W. I.	Fittings.
14 C. I.	Wet Connections.
HYDRANTS AND VALVES.	
22 4 in.	Hydrants, 6 in. Shoe.
46 4 in.	Hydrants, 4 in. Shoe.
8 6 in.	Gate Valves and Boxes.
40 4 in.	Gate Valves and Boxes.
19 2 in.	Gate Valves and Boxes.

Plans and specifications are on file at the office of the Board of Commissioners of Magnolia, Arkansas, and at the office of the Engineers, E. T. Archer & Company, New England Building, Kansas City, Missouri, and City Bank Building, Shreveport, La., who will furnish prospective bidders with bidders' blanks without charge.

Individual copies of the plans and specifications will be prepared for those requesting same, with the understanding that they will be returned at or before the time of letting, for the use of which a nominal charge of \$5.00 will be made, and not refunded.

All bids must be made out on bidders' blanks and be accompanied by a certified check, drawn on some known responsible bank, in a sum equal to 5% of the amount of the bid, guaranteeing the bidder entering into a contract for the work, and furnishing the necessary bonds within a period of ten days thereafter.

The Board of Commissioners reserve the right to reject or accept any bid without explanation.

J. O. HUTCHINSON.
D. D. GOODE.
H. P. CARRINGTON.

E. T. ARCHER & COMPANY,
Consulting Engineers,
Kansas City, Missouri.

Bids close May 7, 1925.

Water-Works Improvements

High Point, N. C.

Sealed proposals will be received by the Mayor and City Council of High Point, N. C., until 7.30 o'clock P. M. May 7, at the City Hall in High Point, N. C., for Water Works Improvements enumerated as follows:

Furnishing and delivering F. O. B. cars High Point, N. C., four (4) motor-driven and two (2) gasoline-engine driven centrifugal pumping units with starters and appurtenant equipment.

Furnishing materials and labor for and constructing additions to the River Pumping Station, the City Pumping Station and the Filter Plant.

Remodeling filter piping, etc., in filter plant and installing controlling equipment, chemical laboratory equipment, filter sand and gravel, etc.

Furnishing materials and labor for and constructing a reinforced concrete coagulating basin.

Furnishing and installing piping, valves, fittings, etc.

Proposals must be marked "PROPOSALS FOR WATER WORKS IMPROVEMENTS." All bids must be made upon blank forms provided in copies of the Proposal, Contract and Specifications, enclosed in a sealed envelope and addressed to the Mayor and City Council of the City of High Point, N. C.

Each bid must be accompanied by a certified check in the amount of seven and one-half (7 1/2%) per cent of the amount of the bid as evidence of good faith. Bid bonds will not be acceptable.

Copies of the plans, specifications, form of proposal, contract, etc., may be obtained upon application to the Engineer.

The right is reserved to reject any or all bids, or to award contract or contracts which, in the opinion of the Engineer and the Council, appear to be for the best interests of the city.

J. NO. W. HEDRICK, Mayor.
R. L. PICKETT, City Manager.
WILLIAM C. OLSEN, Consulting Engineer,
Raleigh, N. C.

Bids close May 12, 1925.

Sewer System

Magnolia, Ark.

Sealed bids will be received by the Board of Commissioners of Sewer Improvement District No. 1 of Magnolia, Arkansas, up to 2 o'clock P. M. of the 12th day of May, 1925, for the furnishing of all material and labor required in the construction of a complete sanitary sewer system, the approximate quantities of which are as follows:

TRENCHING AND BACKFILLING.

36,435 ft.	cut 0 to 6 ft.
14,445 ft.	cut 6 to 8 ft.
3,190 ft.	cut 8 to 10 ft.
380 ft.	cut 10 to 12 ft.
330 ft.	cut 12 to 14 ft.
390 ft.	cut 14 to 16 ft.
320 ft.	cut 16 to 18 ft.

SEWER PIPE FURNISHED AND LAID.

41,345 ft.	8 in. Vit. Sewer Pipe.
10,187 ft.	10 in. Vit. Sewer Pipe.
3,576 ft.	12 in. Vit. Sewer Pipe.
262 ft.	15 in. Vit. Sewer Pipe.
60 ft.	8 in. C. I. Pipe.
48 ft.	10 in. C. I. Pipe.
12 ft.	12 in. C. I. Pipe.
1,013 ft.	6 in. by 8 in. Y's.
29 ft.	6 in. by 10 in. Y's.
6 ft.	6 in. by 12 in. Y's.

APPURTENANCES.

131 Manholes.
12 Flush Tanks.
33 ft. Ex. Depth Manholes.
590 1/4 in. G. W. I. Pipe.
12 Service Connections.
2 Outlet Protections.

DISPOSAL PLANTS.

2 Disposal Plants complete, including inlet manholes, Imhoff tanks, dosing chambers, filters, etc.

Plans and specifications are on file at the office of the Board of Commissioners of Magnolia, Arkansas, and at the office of the Engineers, E. T. Archer & Company, New England Building, Kansas City, Missouri, and City Bank Building, Shreveport, La., who will furnish prospective bidders with bidders' blanks without charge.

Individual copies of the plans and specifications will be prepared for those requesting same, with the understanding that they will be returned at or before the time of letting, for the use of which a nominal fee of \$5.00 will be made and not refunded.

The Board of Commissioners reserve the right to reject or accept any bid without explanation.

J. O. HUTCHINSON.
D. D. GOODE.
H. P. CARRINGTON.

E. T. ARCHER & COMPANY,
Consulting Engineers,
Kansas City, Missouri.

Bids close May 23, 1925.

Masonic Temple.

New Orleans, La.

Sealed proposals will be received until 10 A. M. Saturday, May 23, 1925, for the construction of a fifteen (15) story, 100'x165' Masonic Temple in the City of New Orleans, La., in accordance with drawings and specifications prepared therefor by Sam Stone, Jr., Architect, 714 Union street, New Orleans, La.

Drawings and specifications may be obtained from the Architect by persons or firms engaged in the lines of work required and at the discretion of the Architect upon the deposit of a certified check or money in the sum of \$25 (TWENTY-FIVE DOLLARS), which deposit will be returned upon the return of the drawings and specifications in good condition and provided a bona fide bid shall be submitted in accordance with this notice by the person or firm to whom the said drawings and specifications are delivered.

Bids shall be sealed and addressed to Jno. A. Davilla, Grand Secretary of the Grand Lodge F. & A. M. of the State of Louisiana, 533-535 Iberville street, New Orleans, La., and shall be accompanied by a certified check or cash in the sum of \$5000 (FIVE THOUSAND DOLLARS) to guarantee that the person or firm by whom the bid is submitted will furnish bond as herein required, and enter into a contract in accordance with the bid within fifteen (15) days after being notified of the acceptance of the bid.

The contractor to whom the work is awarded will be required to furnish bond

through a surety company satisfactory to the owners in a sum not less than fifty per cent (50%) of the contract to guarantee the faithful performance of all of the conditions of the contract.

The owners reserve the right to reject any or all bids.

The general contract is to include all work in accordance with drawings and specifications, except the following items, upon which separate bids will be received, viz:

STRUCTURAL STEEL
HEATING
PLUMBING
VENTILATION
OIL-BURNING EQUIPMENT
ELECTRICAL WORK
ELEVATORS

Bids close May 13, 1925.

Proposal for Furnishing and Erecting Superstructures of Buildings for Additions to Montebello Filters

WATER DEPARTMENT.

Baltimore, Md.

Sealed bids or proposals, in duplicate, endorsed "Proposals for Furnishing and Erecting Superstructures of Buildings for Additions to Montebello Filters," addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, until 11 A. M. Wednesday, May 13, 1925, at which time they will be publicly opened and read.

Specifications and proposal form may be obtained at the office of the Water Engineer, City Hall, Baltimore, Md., on and after April 25, 1925. A charge of \$25 will be made for each set of specifications, either by the submission of a bid or to room 205, City Hall, not later than the day of opening bids.

All bids must be accompanied by a certified check of the bidder on a clearing-house bank for the sum of Fifteen Thousand Dollars (\$15,000), made payable to the order of the Mayor and City Council of Baltimore, and the successful bidder will be required to give satisfactory bond for the faithful performance of the agreement equal in amount to the value of the contract.

The Board of Awards reserves the right to reject any or all bids.

Approved:

V. BERNARD SIEMS, Water Engineer.

Bids close May 5, 1925.

County Jail Work

Galveston, Tex., April 4, 1925.

Bids in duplicate will be received by the undersigned until 10 A. M. May 5, 1925, for the construction and erection of 6 to 10 Toolproof Steel Cells, with latest locking devices, Bunks, etc., Doors, Plumbing, Concrete Floor, etc., all on the fourth floor of County Jail, in accordance with Plans and Specifications on file in my office. A certified check on a Galveston bank for \$500, payable to County Judge, must accompany each bid. The County Commissioners' Court reserve the right to reject any and all bids, which must be addressed to the undersigned and marked "Bids for Jail Work."

JOHN M. MURCH, County Auditor.

Bids close May 11, 1925.

Meter Connection

OFFICE OF THE CITY MANAGER

Tallahassee, Fla., April 4, 1925.

Sealed bids will be received in this office at 12 o'clock noon May 11, 1925, for furnishing the following material:

Two 16"x4"x4" "Y" special.
One pc. 4" pipe 3' 0" long, 2 figs.
125-pound working pressure.

Print, with dimensions, may be had upon request.

Prices delivered Tallahassee, Florida.

Bids to be marked "Bids for meter connection."

Right is reserved to reject any and all bids.

WM. R. GALT, City Manager.

B. H. BRIDGES, City Auditor and Clerk.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

FOR SALE—18,000-acre tract of Manganese and Brown Ore; reports estimate 13,000,000 tons of Manganese and probably as much Brown Ore. Owing to the fact that my client wants to concentrate investments in rental buildings, these properties can be bought at a sacrifice price for quick sale. I also own personally 7000 acres of Red Hematite Ore that I would consider selling at $\frac{1}{4}$ or $\frac{1}{2}$ interest, or would consider some kind of working arrangements for development. These properties are located in North Georgia close to railroad, where best facilities can be had.

B. W. NEWSOM.
225 First National Bank Building,
Chattanooga, Tennessee.

MINERAL AND TIMBER PROPERTIES WANTED

WANTED.

TO HEAR from parties having mineral properties for sale.

UNITED MINERALS CO., Roanoke, Va.

MANGANESE PROPERTY

MANGANESE MINES—Two going manganese mines, all equipment. Transportation facilities good.

R. P. JOHNSON, Wytheville, Va.

BAUXITE AND CLAY

BAUXITE AND CLAY FOR SALE on royalty basis; no cat-in-the-bag proposition. Am ready to do business. See me.

DAN KLECKLEY, Ex., Oglethorpe, Ga.

SILICA DEPOSIT

FOR SALE—Unlimited deposit of Silica, 99% without being washed. Fully developed, operated for several years. Loaded by gravity on Southern Railroad, fifteen miles from Bristol, Va.-Tenn. Air compressor drills and other machinery operated by water power. Address A. D. Reynold owner, Bristol, Tenn.

KAOLIN

GEORGIA KAOLIN—Wanted to get in touch with parties interested in buying or developing large deposits of Georgia Kaolin.

W. J. DUKES, Ridgeville, S. C.

COAL AND TIMBER LAND

TIMBER AND COAL LANDS FOR SALE. 100,000 standing trees, oak, pine, poplar, beech, hickory, sugar, gum, walnut, etc. Also 4000 acres coal. Located on Licking and tributaries. Accessible to railroad and water. Address

E. B. ARNETT, Salyersville, Ky.

TIMBER AND TIMBER LAND

FOR SALE—Timber lands, cut-over lands especially suitable for colonizing, ranching or subdivision, located Alabama and Florida.

H. H. WEFEL, JR., Mobile, Alabama.

TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements.

NORTHERN REALTIES CO., INC., New Birks Building, Montreal, Canada.

FOR SALE—3844 acres of timber, situate twenty miles north of Vicksburg, Miss., in the delta of Mississippi, only one-half ($\frac{1}{2}$) mile from railroad; about half white oak, fourth red oak, fourth ash, gum, cypress, etc. Reasonable terms. Inquire of

HARRY MARSHALL,

National Deposit Bank Building,
South Brownsville, Pa.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamp accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 28c per line; 500 lines or more, 25c per line.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

YOU CAN ALWAYS RELY ON A REALTOR
LOVELAND & TANNER,
REALTORS,
PALATKA, FLORIDA.

Specializing in acreage, investments and industrial locations in Putnam County, Florida. Preferential freight rates, 3 railroads and St. John's River steamers to New York. Ask for booklet.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

GREATEST LAND BUY IN FLORIDA.

Fifteen Thousand Acres in South Florida in a solid body, with six miles frontage on large and beautiful lake.

Direct water connection to Atlantic Ocean and Gulf of Mexico.

Near several up and going towns.

Fertile, dark loam soil, adapted to production of celery, lettuce, cucumbers, Irish potatoes, sugar cane, bananas, etc.

Game in abundance, such as deer, turkey, duck, squirrel, quail and snipe.

Finest bass fishing in the state.

A sportsman's paradise, with great possibilities for future development. A good investment at \$14 per acre.

J. E. CRAWFORD,
1001 State Bank Building, Orlando, Florida.

ARE YOUR EYES WIDE OPEN
AND YOU STILL SOUND ASLEEP

ON MIAMI AND ITS ENVIRONS

THE FASTEST-GROWING CITY
ON GOD'S GREEN FOOTSTOOL.

AWAKE, YE SLUMBERING ONES
IN ALL WALKS OF LIFE!
MIAMI IS CALLING YOU NOW
IN OPPORTUNITY'S GOLDEN VOICE.

BUY IN OR NEAR MIAMI—BUY NOW!
PARKED THINK-MOTORS WON'T ACT.

A. A. WHITE & CO.,

"Realty Service Built on Sincerity,"

29 N. E. THIRD AVENUE,

MIAMI, FLORIDA.

FLORIDA INVESTMENTS.

Manatee County truck and farm lands. We handle business properties, subdivisions and general real estate. Write for information about this county.

MANATEE LAND SALES CO.,
Bradenton, Fla.

FARM, FRUIT AND TRUCK LANDS**FLORIDA**

FOR SALE—A number of small farms, forty acres and up, in cultivation, in the vicinity of Marianna, Fla. Reasonable prices, if interested write L. N. SMITH, Marianna, Fla.

SARASOTA, FLORIDA.

Attractive offerings in Acreage Tracts and Lots in Sarasota and Suburbs. For further information address DEAN-TYLER COMPANY, INC., REALTORS.

FLORIDA—The Land of Flowers; no state income or inheritance taxes ever. TAMPA—Florida's Largest City, 1925 States Census. Send today for Booklet and List of Investments, Homes, Groves and Farms. Tampa-West Coast Realty Co., Inc., Opp. Postoffice, "Since Before the War," Tampa, Florida.

WE OWN 14,000 ACRES farming land located twenty miles northwest of Palm Beach, with six miles frontage on Seaboard Airline Railway and with the Central Dixie Highway running through the property. For sale at an attractive price.

CONSOLIDATED REALTY COMPANY,
316 Clematis Avenue,
West Palm Beach, Fla.

PECANS

HAVE ABOUT 1000 lbs. choice seedling pecans; (no nut grown equals the seedling pecan in flavor); 10 lbs. up, 32 cts. the pound, delivered. Formula for the famous Mexican Pecan Roll, Mexican Pecan "Pancake" Candy and San Antonio fudge, all with a flavor deliciously appealing, free. Nut cracker that does not break meat, \$1.00; also about 100 lbs. paper-shell (fine) pecans, 10 lbs. up, 57 cts. the lb., delivered. KINGSBERRY PECAN CO., Albany, Ga.

FISH AND GAME LAND

FOR SALE—Seventeen hundred acres adjoining Government preserve in western North Carolina. Over 15 miles fishing streams, Rainbow and mountain trout, deer, bear, turkey, pheasants and smaller game. Easily accessible; timber land. Will sell at bargain. George W. McCoy, Box 2056, Glen Rock Station, Asheville, N. C.

RANCH

BIG RANCH SACRIFICE—60,000 acres, 80 miles San Antonio, on river, 75% tillable, 25% irrigable. Winter Garden district; bankruptcy; \$5.50 acre. G. M. Magill, Stamford, Texas.

FOR SALE—Eighteen-thousand-acre ranch near Cadillac, Michigan, prosperous city of 10,000 population; beech and maple land suitable for sheep, cattle, gentleman's country estate or game preserve. Trout streams, alfalfa, three sets of modern buildings, silos, good auto roads, two railroads. This wonderful property can be bought on small payment down and long time on balance. Price \$250,000. Send for illustrated booklet. J. E. MERRITT,
232 S. Clark Street, Chicago, Ill.

BUSINESS OPPORTUNITIES

I WISH TO BORROW \$8000 for 5 years at 6% interest, secured by valuable mineral lands that are worth at least \$25,000.

A. S. HICKS,
Minneapolis, North Carolina.

YOUR IDEAS DEVELOPED. Mechanical drawing; difficult designs; new products for factories, industrial plants and utilities; valuations and reports for investors. Write Baskerville Engineers, 807 Farley Building, Birmingham, Ala.

LUMBER YARD—We would like to get in touch with someone who could furnish \$25,000 to \$60,000 to join with us in a wholesale and retail lumber yard in southern West Virginia. Yard has been established several years and has well-established trade. Increased capital needed to handle the business. Box 748, Princeton, W. Va.

BUSINESS OPPORTUNITIES

THE INVENTOR of chemical process for the manufacture of brick desires to get in touch with people that own sand banks. W. L. Sanderson, 1202-1208 Fourth street, Meridian, Miss.

RETAIL LUMBER and building material business, with woodworking plant in connection, for sale in Alabama by owner wishing to go into other line of business. Excellent opportunity offered. Address No. 6455, care Manufacturers Record, Baltimore, Md.

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,
Harlow Building, Colorado Building,
Alexandria, Va. Washington, D. C.

WANTED—\$20,000 ADDITIONAL CAPITAL—A well-established wholesale company located in Jacksonville, Florida, doing annual business over three thousand cars, desires additional capital, properly develop and finance their Florida business. Will make liberal arrangements with right party. Proposition will bear closest investigation. Address No. 6450, care Manufacturers Record.

JOIN OUR ACREAGE SYNDICATE. To purchase valuable tract of acreage five miles north of proposed city limits of Miami, with mile frontage on Seventh avenue.

We have option on land and by syndicating with number of men can handle this wonderful tract without financial strain on anyone.

We believe this property will sell for double in a year.

To get this property we must act quickly. Let us explain this plan to you.

Electric light line now on property.

L. F. HUGHES,
Realtor,
150 S. E. First street, Miami, Fla.
A. J. KEELY,
Sales Manager.

PATENTS FOR SALE

PATENT SASH AND SCREEN DOOR. Sash always with door and adjustable. Full door protection against flies or storm. A winner. Big demand. Sell outright or royalty, or consider partner with money to manufacture. J. D. Sellars, Ritzville, Wash.

SPANISH TRANSLATIONS

I TRANSLATE catalogues, booklets, etc., into correct Spanish and promote trade in the Spanish speaking countries and ALL MARKETS OF THE WORLD. Estimates and/or particulars upon request. Gonzalo Ruiz, 170 W. 123d St., New York.

INDUSTRIES WANTED

LOCATE THAT NEW INDUSTRY AT SHADYSIDE ON THE OHIO—Shadyside, Ohio, offers exceptional opportunities to new industries. Located in a rapidly growing industrial section, with good shipping facilities by trunk line railroad and Ohio River. Excellent water, cheap fuel, ideal living conditions. Cheap sites available for manufacturing plants. Address THE COMMUNITY CLUB.

BUSINESS OPPORTUNITY.

Middlesboro, Ky., and surrounding territory needs a modern Brick and Hollow Tile Plant. An excellent deposit of the finest material is ideally located on both the L. & N. and Southern Railway. Material has been thoroughly tested out and the property core drilled. Finished product can be manufactured at exceptionally low cost. This proposition will warrant the closest investigation. Communicate with E. P. Nicholson, Middlesboro, Ky.

LOOKING FOR A LOCATION? Altavista, located in the Piedmont section of Virginia.

OFFERS

Free Manufacturing Sites.

Virginia City Basic Freight Rates. Labor in abundance and strikes unknown here.

Ideal Climate and we gladly welcome the chance to "SHOW YOU."

For information apply to ALTAVISTA CHAMBER OF COMMERCE, Altavista, Va.

INDUSTRIES WANTED

HOLDENVILLE, OKLA.—Population 6500, on the main lines of the Rock Island and Frisco Railways, surrounded by new big oil and gas fields; wants hospital and all kinds of factories. Write W. J. Ryan, Secretary Industrial Committee.

DUNGANNON, VIRGINIA.

Located on the C. C. & O. Railroad; direct route to the cotton fields and Clinch River, with a gravity flow of 36,000 gallons per minute at low-water mark. Limestone adjoining on the south side and coal adjoining on the north side. Rich and thickly settled farming.

THE HAGAN TRUSTEE SYNDICATE, Bristol, Va.

INDUSTRIAL PLANTS**FOR SALE.**

Brick Plant. Fine clay. A bargain. U. H. DAVENPORT, Athens, Ga.

If interested in buying
A SOUTHERN COTTON MILL
Write to

F. C. ABBOTT & COMPANY,
Charlotte, N. C.
26 years' experience in Southern Mill Stocks.

FOR SALE—Fine, modern sorting lumber yard. Also modern planing mill and flooring plant, including ample houses for employees; cheap labor and low freight rates, with an abundance of cheap, rough stock available; plant now in operation. For details apply to

THE WEST VIRGINIA TIMBER CO., Orange, Va.

FOR SALE or LEASE—Warehouse or Factory property. Three story and basement, brick, 60x125 feet, built strong with side track, covered shed driveway, electric elevator, scales, four office rooms. Additional ground for expansion if wanted. Photo and all particulars furnished on request. Good terms. P. O. Box 1473, Charleston, W. Va.

FACTORY SITES

ATTALLA, ALABAMA, third largest railroad center in the state, located in the richest mineral and farming section of northeast Alabama, offers free manufacturing sites, five-year tax exemption, cheap hydro-electric power, abundant pure water supply. Ideal labor and climate. Address Secretary Attalla Rotary Club.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.

PATENT-SENSE—"The Book for Inventors and Manufacturers"—free on request. Lacey & Lacey, Patent and Trade-Mark Lawyers, 735 F St., Washington, D. C. Established 1869. Corporation references.

PATENTS—TRADEMARKS—COPYRIGHTS Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our Inspection and Instructions, free. Terms reasonable. Highest references. VICTOR J. EVANS & Co., 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandee & Chandee, 412 Seventh St. N. W., Washington, D. C.

MANUFACTURERS AGENT

SALESMAN, having an office in New York City, calling on Municipalities, Contractors and Builders' Supply Houses, with good following, wants to represent manufacturing concern in the local market, on a commission basis. Correspondence invited. Address No. 6457, care Manufacturers Record, Baltimore, Md.

MANUFACTURERS AGENT

CALLING ON ARCHITECTS and contractors to secure sales on newly-developed, high-grade commercial Kalamein Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

AGENCIES WANTED

ENGINEERING SALES REPRESENTATION—Established Sales Engineering firm, of highest standing, in Houston, Texas, can handle two more major accounts. Same service as a branch office at less expense. Complete technical sales organization with warehouse and stock facilities where wanted. Clientele among railroads, public utilities, industrials, refineries, architects and builders. No. 6458, care Manufacturers Record.

SITUATIONS WANTED

I WANT TO TAKE CHARGE of a good stone-setting job for reliable contractor; can furnish references; will go anywhere. Address No. 6454, care Manufacturers Record, Baltimore, Md.

ACCOUNTANT, having good position at present but future advancement limited by circumstances beyond his control, desires connection in accounting or treasury department. Seven years experience in operating and construction work with large corporation. Excellent references. Address Accountant, Box 224, Raleigh, N. C.

SITUATIONS WANTED

SUPERINTENDENT and mechanical engineer desires change in position. Experienced manufacturing and tooling, for light to medium interchangeable work in quantities. Co-operative, resourceful, energetic. 4128 Walker Ave., Toledo, Ohio.

FIFTEEN (15) YEARS' EXPERIENCE with one house in Credit and Sales work, and for last seven years manager of their credit department, with entire charge of credits and collections from home office and branch offices in the South. Am thoroughly familiar with the wholesale business in Virginia, North and South Carolina, Georgia and Alabama. Can furnish best of references. Address No. 6452, care of Manufacturers Record, Baltimore, Md.

MEN WANTED

SALESMEN WANTED—Our side-line men are making \$75 per week calling on druggists and retail trade; 90% develop into full-time salesmen. Our offer means a permanent connection for the right man with references. Address Jasmine Products Co., Hall street, Norfolk, Virginia.

ARCHITECTURAL DRAFTSMAN WANTED—A good Architectural draftsman, prefer young man thoroughly familiar with structural details, need not be college graduate, in a fast growing City in Central Florida. Must send references, be sober and of good character and able to turn out work. Answer No. 6456, care Manufacturers Record.

MEN WANTED

SALARIED POSITIONS \$2500 to \$25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence, without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Send name and address only; preliminary particulars will be sent without obligating or compromising you in any way. R. W. Bixby, Inc., 403 Lockwood Building, Buffalo, N. Y.

MACHINERY AND SUPPLIES

FOR SALE—Four-yard Dredge Dipper, complete with bail; in first-class condition. Made by Marion Steam Shovel Co. Price low for prompt sale. Loncalia Phosphate Co., Ocala, Florida.

FOR SALE—Woodworking machinery; complete outfit, consisting of rip and cross-cut saws, boring machines, jointers, planers, moulder, mortisers, tenoners, shapers and sanders; good condition; attractive prices. Write for particulars regarding your requirements. J. LEE HACKETT, 3-123 General Motors Building, Detroit, Mich.

SPECIAL ADVERTISEMENTS OF GENERAL INTEREST

BANKRUPTCY SALE**Plant, Ice-Making Machinery, Etc.**

The undersigned Trustee will receive offers to purchase the entire plant of The Consumers Ice and Cold Storage Company, consisting of real estate, situated in the City of Key West, Florida, and containing approximately 250 feet of water front property, facing on the Harbor of Key West, and all buildings, ice-making machinery, tools, appliances, trucks and wagons. A spur track leading from the railroad terminals is located on the property. The property has encumbrances of approximately sixty thousand dollars.

Bids will be received for the purchase of said property, free from all encumbrances, and alternative bids subject to encumbrances. Trustee reserves the right to reject any and all bids. All offers must be submitted to the undersigned Trustee on or before June 1, 1925.

Shirley C. Bott, Trustee

WASHINGTON OFFERS YOU**THE RESEARCH SERVICE, INC.**

a staff of consultants in engineering, industrial development and business administration.

If you need advice or assistance in municipal or State improvements, industrial surveys, plant development, or personnel administration, write to

THE RESEARCH SERVICE, INC.
941 Investment Building WASHINGTON, D. C.

MOST DESIRABLE FACTORY FOR SALE
20 Miles from New York on main line of P. R. R.

Parallel to railroad having 10-car side track. Heavy mill construction. Buildings and sheds covering 30,000 feet. Factory building one clear story. Steam and electric power, light, water sprinklered. Especially adapted for woodworking plant, though equally as good for other purposes. Best and cheapest labor near New York.

Address or Phone: WILL A. REAGAN, Real Estate
19 Washington Street EAST ORANGE, N. J.
Phone Orange 2359

N. B. LOBE & CO., Auctioneers

SMITH & SMITH, Solicitors
1110 Continental Building, Baltimore, Md.

TRUSTEE'S SALE

OF THE

Warehouses and Equipment

OF THE

Lexington Refrigerator and Storage Corp.

AT AND NEAR

Lexington and Diamond Streets

OPPOSITE LEXINGTON MARKET

Baltimore, Md.

On the premises on Wednesday, May 27th, 1925, at 11 a. m.

The property comprises four lots.

First lot 55 by 80 feet to 12-foot alley. Ground rent \$600.

Second lot corner Diamond St. and 12-foot alley. 78 by 94 feet 6 inches. Ground rent \$312.

Third lot on Diamond St., north of 2nd lot. 65 by about 68.7 $\frac{1}{4}$ inches. Ground rent \$343.24.

Fourth lot adjoins third lot on Diamond St., and is 29 by 65 feet. Ground rent \$145.

Together with the rights and appurtenances belonging or appertaining to, and the improvements on the above described lots of ground, consisting, in part, of a large and substantial brick building with four stories above and four stories below the surface; another large and substantial brick building with three stories above and three stories below the surface, and another large and substantial brick building with two stories above the surface; the buildings being equipped with boiler, engines, elevators, refrigerating and ice making machinery, refrigeration conductors and coils and cold storage compartments forming part of the property to be sold, and being suitable for meat packing, ice making, general and cold storage, manufacturing and other industrial uses, with ample receiving, and delivering entrances.

Terms of sale announced at sale.

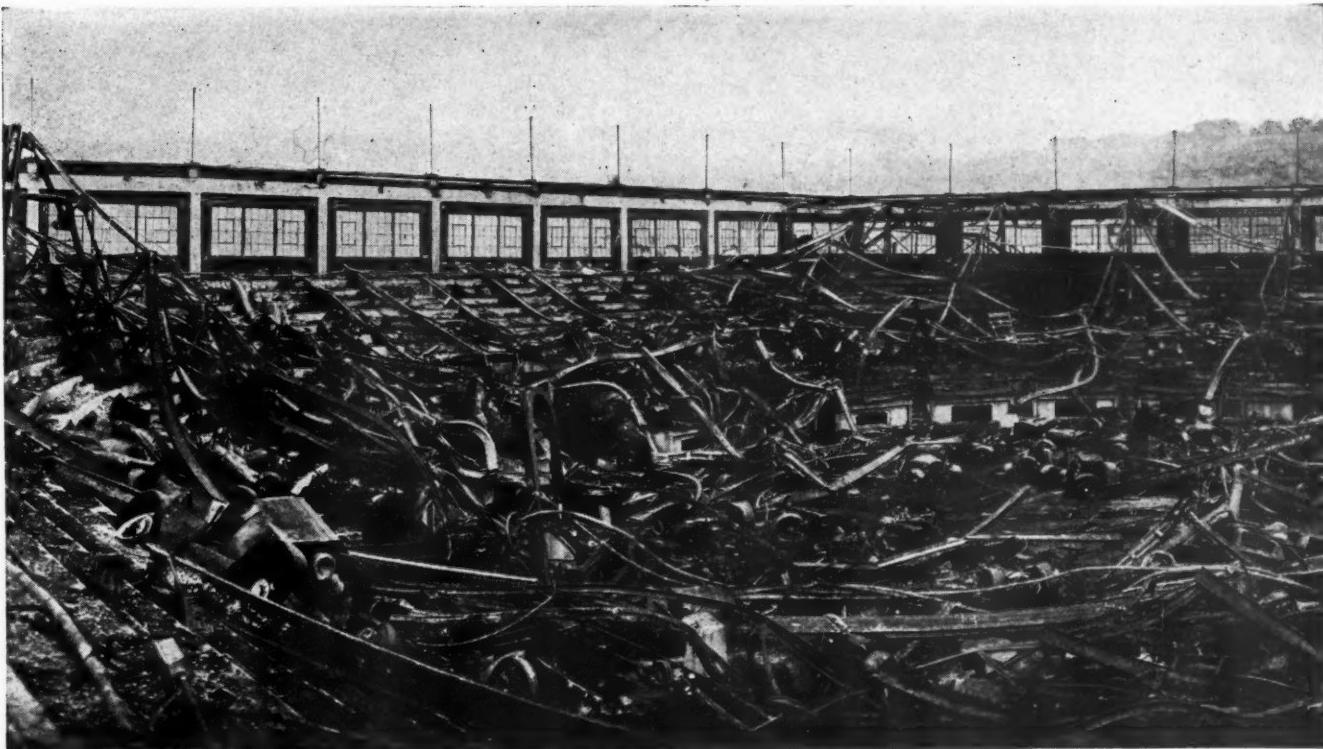
Deposit of \$5,000.00 required at the time of sale.

For full information, plat of property, etc., address

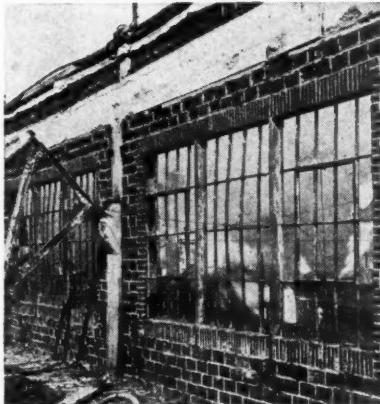
HORACE T. SMITH, Trustee,
1110 Continental Bldg.,
Baltimore, Md.

N. B. LOBE & CO., Auctioneers

103 Hopkins Place, Baltimore, Md.



Everything Wrecked—but the Sash



A close-up of Fenestra WindoWalls in the Kansas City fire.

YOU remember that Auto Show fire in Kansas City a month or two ago—when the American Royal Building burned down with hundreds of exhibition cars on display?

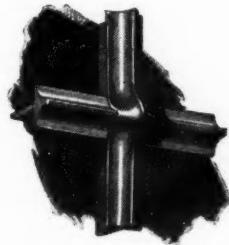
Here's a part of the building—cars totally destroyed, building collapsed, everything wrecked—but the Fenestra Windo-Walls which are now being reclaimed. Every joint was found intact, every section just as good as ever, with a little straightening and resetting.

Surely this is mute testimony of the inherent strength and endurance of Fenestra. And there's a very real reason. In the construction of the patented joint, 80 per cent of the metal is retained. The steel bars are so skillfully threaded through each other without welding or

mitering that they admit of easy resetting at low cost. Fenestra men are prepared to render quick service in such an emergency.

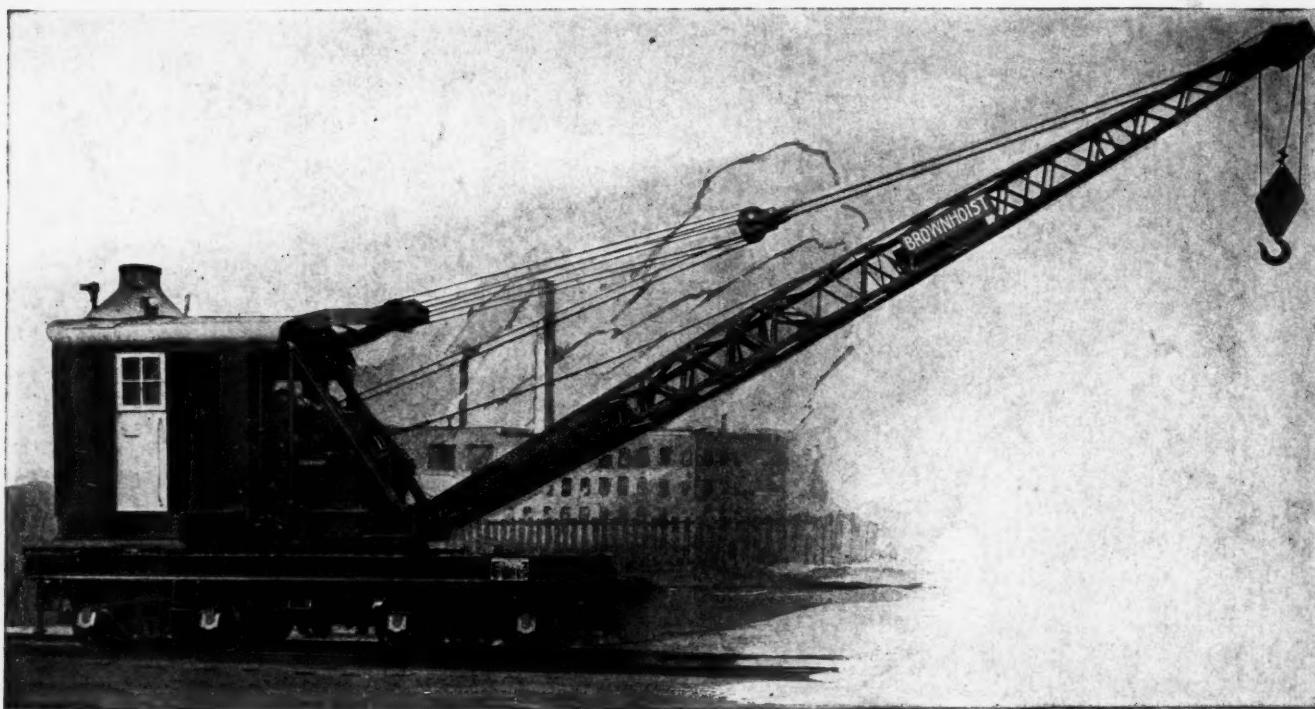
In your new buildings you want "enduring sash", even though they may never be subjected to such a test. To be sure is to specify Fenestra and the five-fold service—layout, estimating, detailing, delivery, erection—which is embraced by this well known name. There are Fenestra organizations in every section of the country—a telephone call will put you in touch with them quickly.

DETROIT STEEL PRODUCTS COMPANY, H-2248 E. Grand Blvd., Detroit, Mich.
Branch Factories in Oakland, Calif., and Toronto, Canada



This patented, interlocking joint is the identifying mark of Fenestra, the original steel WindoWall. It is the primary reason for Fenestra's unusual strength.

Fenestra
for commercial buildings
schools and institutions
homes and apartments
all industrial structures



Improvements That Assure Bigger Output On This Newest Brownhoist No. 4 Crane

Features

Extra large diameter rotating slip ring.

Very heavy rotating bed and load rollers. The latter are removable from the top, without jacking up the superstructure.

Free running, separately driven drums with outside band clutches.

A high rope hitch on the boom hoisting mechanism.

Boom hoist worm gear runs in oil, making booming with a load practical.

A 150 pound pressure boiler.

The mere announcement of a greatly improved product may not even arouse your curiosity. But when you know that this product is a machine that saves real time and money in thousands of plants, then wouldn't you be interested?

Some of the reasons why the improved No. 4 Brownhoist is a better crane are told here. Always a great favorite because of its speed and dependability, the new model has proved itself even faster, easier to operate, and if possible, more dependable.

We believe this crane will prove of interest to you, and if there is any further information you would like, we will be glad to furnish it.

The Brown Hoisting Machinery Co., Cleveland, Ohio
Branch Offices: Chicago, Pittsburgh, New York, New Orleans, San Francisco, London, Eng.

BROWNHOIST

GOOD MATERIAL HANDLING MACHINERY

